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U. S. Air Force, Army Join With Industry To Score Success At Paris Air Show

LEBOURGET AIRPORT
PARIS, FRANCE

An imaginative and power-packed presentation by the U. S. Air Force and U. S. Army, joined by dynamic exhibitions from American industry, was hailed here by scores of thousands of spectators as the 23d Salon International de l'Aeronautique came to a close 21 June.

A pointed measure of the smashing U. S. success at the Paris Air Show was the coincidental shifting by the Soviets of their new TU-114 propjet passenger plane from the display line to a maintenance area when the USAF opened the sleek Boeing VC1-37 jet for public inspection.

The Russians elected to return their aircraft to a comparatively public showing only after the MATS VC-137 had departed the Show for a return flight to the U. S. The Air Force and Army participation in the 23d Salon, under direction of Task Force Commander Col. James D. C. Robinson, USAF, gave strong accent to research and development progress.

Obvious aim was to convince the thousands of visitors from Europe of U. S. achievements in aerospace activities and

to point up how many military gains are applicable to civilian requirements.

—Continued on page 5

Defense Department Explains Weapons System Management And Procurement Concept; Army, Navy, Air Force Outline Operation Of Concept In Each Service

In the field of military procurement, nothing in recent years has created as much misunderstanding, lack of understanding, and controversy as the so-called weapon system concept.

What exactly is this concept and how do the three major military Services utilize it?

Here is what the Defense Department has to say about the concept, together with discussions by each of the Services to show how they manage various weapons systems:

DOD'S EXPLANATION

The weapons system concept is not restricted to contracting. It is a concept of total management of a weapons system both within the military departments and with respect to activities by contractors.

Total management of a weapons system involves planning, budgeting, research, design, development, acquisition, storage, distribution, maintenance, logistics support, and training of personnel.

The Defense Department recently undertook to formalize a definition of a weapons system. The latest draft was as follows:

"The term 'weapons system' comprises facilities and equipment, in combination or otherwise, which form an instrument of combat to be used by one or more of the military departments."

The proposed definition is necessarily broad, as are all aspects of the weapons system concept, because the outstanding feature of the concept is flexibility. To fall within the weapons system concept,

Procurement Directory
The twenty-fifth annual publication of The Journal's Procurement Directory begins on Page 18 of this issue.

an instrument of combat is designated as a weapons system at high levels of the military departments. Thus not all instruments of combat are weapons systems even though technically the definition might be applicable.

A pistol consists of equipment which forms an instrument of combat but it is doubtful that it would ever be designated as a weapons system or managed under the weapons system concept. Clear examples of what may be designated as weapons systems are missiles, aircraft, and ships, which consist of vehicles or in some cases massive facilities, guidance or navigational systems, complex electronic gear, armament, communications equipment, and which require specialized, varied, and integrated logistic support and training.

An instrument of combat is designated as a weapon system and then managed under the weapons system concept, when a determination is made that existing organizational structures are not adequate to enable the military departments to develop and produce the weapons system and place it in operational use within the time required by strategic and logistical plans. The precise degree to which existing organizational lines and normal

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"White Charger" Approval Expected; Stennis Group Considers Limitation

DETAILS OF AIR FORCE "WHITE CHARGER" PLANS, PAGE 3

SENATE Armed Services Committee approval of the Pentagon's "White Charger" proposal is expected within the next week or 10 days.

The Stennis Subcommittee has completed open hearings on the bill and will meet in executive session "as soon as possible" to complete its recommendations.

Few changes are expected in the Pentagon blueprint, although the Subcommittee has raised the possibility that it may set a limitation on the number of lieutenant colonels and commanders who can be forced to retire under the proposal.

Only the Air Force plans to use the
—Continued on page 5

Navy "Hump" Bill Hits Home Stretch; \$6,000 Separation Pay Still In Doubt

NAVY YEAR GROUP CHART, PAGE 23.
MARINE CORPS CHART, PAGE 13.

THE Navy's long-pending "hump" proposal—heralding forced retirement for thousands of senior Navy and Marine Corps officers and improved promotion opportunities for an equal number in the lower ranks—is on the home-stretch.

Hearings by the Senate Stennis Armed Services Subcommittee were speedily concluded in a single morning session on 22 June. The group will meet again behind closed doors to take final action on the measure.

Except for possible elimination of a House-approved separation-pay feature, the Stennis Subcommittee is expected to make few changes in the proposal as it passed the House. The separation payments—a maximum of \$6,000—are opposed by the Budget Bureau and the Defense Department.

Senator Stennis told reporters his Subcommittee will have to give careful consideration to the problem of establishing a precedent for such payments.

He asked Navy witnesses how the separation pay for officers forced out under the "hump" plan could be rationalized with the fact that the all-Service "White

—Continued on next page

Flight Pay Proposals Urge 20-Year Rule, Restoration Of \$25 Million House-Cut

TWO major proposals involving flight pay for thousands of Army, Navy, Air Force and Marine Corps pilots have been placed before Congress by the Department of Defense.

In related moves, the Department has:

- Asked Congress to approve permanent legislation authorizing payment of flight pay to several hundred officers who will not be required to fly, and
- Urged the Senate to restore \$25 million House-cut in proficiency flying funds.

The proposed new law would give the Armed Forces permanent authority (which they now have on a temporary, year-to-year basis) to eliminate minimum flight requirements for payment of proficiency flying pay to certain officers.

Those for whom flight requirements would be eliminated include officers who

have been on flying status and have held aeronautical ratings or designations for at least 20 years, and those whose particular assignment outside the United States or in Alaska makes it impractical for them to participate in aerial flights.

Such authority has been contained in annual military appropriations acts since 1953 but the Pentagon said it has been reluctant to use the authority for fear it might be abruptly terminated.

There are about 1,600 officers in all four Services who could qualify for exemption under the 20-year plan. However, the Defense Department said some in this group will be required to continue active flying.

Approval of permanent legislation, the
—Continued on page 23

They Fill \$700 Million Bread Basket For Services



COMMANDERS of the Nation's ten military market centers report that they collectively spend upwards of \$700 million each year to buy food for all Army, Navy, Air Force and Marine Corps installations throughout the world.

Together, the center commanders constitute probably the largest single collection of food-buyers in the world.

In the above photo they are pictured at a recent meeting with Maj. Gen. Hugh Mackintosh, Executive Director of the Military Subsistence Supply Agency in Chicago, and key members of the MSSA Staff.

Seated (L to R) are Col. Karl S. Thornburg, Seattle; Col. Q. L. Kendall, MSSA Executive Officer, Headquarters; Maj. Gen. Hugh Mackintosh, Executive Director, MSSA; Brig. Gen. Thomas B. Evans, Deputy MSSA Executive Director; and Col. W. D. Jackson, Los Angeles.

Standing are Lt. Col. J. F. O'Connor, Columbia; Lt. Col. Thor S. Anderson, Kansas City; Col. Ralph S. Hardiman, New York; Col. J. L. Williams, Oakland; Col. W. F. Durbin, Chicago; Col. R. B. Moore, Richmond; Col. John T. McKee, Fort Worth; and Lt. Col. D. E. Conner, New Orleans.

Navy "Hump" Bill Hits Home Stretch; \$6,000 Separation Pay Still In Doubt

From first page—

Charger" legislation will not authorize such payments for officers forced to retire under its provisions.

Assistant Secretary of the Navy Richard Jackson said the Navy bill is an "emergency" program whereas "White Charger" carries "the flavor of a substandard officer problem." He said he is "not sure the country owes substandard officers anything."

The average age of Navy officers forced to retire under the "hump" bill provisions is 47-48 for captains and 42-43 for commanders. Senator Stennis noted that most of the officers will be "at about the age when their children reach college age."

Approximately 3,000 Navy officers and 1,000 Marine Corps colonels and lieutenant colonels will be retired early under the terms of the bill, during the next 10 years.

Another controversial subject which arose during the hearings and on which the committee may take action is the practice of giving retirement-promotions to Navy and Marine Corps officers who have received combat decorations or citations.

Committee members expressed concern that the practice is discriminatory inasmuch as similar authority is not provided for the Army and Air Force.

Secretary Jackson said the Navy authority is "an accident of history" and that he personally would not favor such legislation "if it were proposed today." He said, however, he would be "reluctant to recommend that we stop it now." If the authority should be eliminated, he said, it would create further discrimination by blocking retirement-promotions for those who still are eligible and expect to receive them.

The Defense Department has said it would oppose extension of the authority to the other Services.

The interest evidenced by the Subcommittee is certain to bring further consideration of the problem when the group

goes behind closed doors to make its final recommendations.

Senator Stennis said final subcommittee action will be taken "as soon as possible." Chances are good that the bill will be reported to the Senate floor not later than 10 July.

If the separation-pay feature is dropped, or if any other major change is made by the Senate, the bill will be subject to conference study. Its enactment before the end of the session is predicted, however.

USMC Hdqs. To San Diego

Lt. Col. Russell C. White is the new Adjutant at the San Diego Marine Corps Depot, where he began his career 30 years ago.

Colonel White, married to the former Ruth Amos of National City, resides at 4362 Santa Monica, San Diego.

New MAG-24 Exec.

Lt. Col. Harold B. Penne, Marine Air Group 24, S-4 Officer, has succeeded Lt. Col. C. H. Welch, as Group Executive Officer.

Lt. Col. Hugh B. Calahan has moved into the S-4 slot, relinquishing duties as Maintenance Officer to his former assistant, Maj. Eddie E. Percy.

Capt. Mullins Heads Depot Commissary

Capt. Joseph F. Mullins, Jr., Headquarters and Service Battalion Supply Officer, Marine Corps Recruit Depot, Parris Is., S. C., has become Officer-in-Charge of the Depot's Commissary as of 11 June.

He succeeds Capt. Allen H. Somers who recently switched to Supply Duty Officer status. Captain Somers is posted for duty with the 2d Marine Division, Camp Lejeune, N. C.

Capt. George E. Otott, reporting from Recruit Training Regiment's Special Training Unit, relieves Captain Mullins in the H&S Battalion Supply post.

GLOBEILITY



Dawn in a
troubled harbor.

On the horizon,
units of a U. S. Navy
carrier task force.

Yesterday they were 700 miles away.

Today the lean ships and glinting jets are here to back up
U. S. policy. They came equipped to air-land Marines, win air
superiority, or trade nuclear blows.

Few bases are so formidable in so many ways.

None is better suited for guarding the
vast and scattered resources

which form the Free World's strength.

Officers Win Honors

RAdm. Howard A. Yeager has been awarded the Legion of Merit for outstanding service as Commander Amphibious Forces, Specified Command, Middle East, during the Lebanon Operations from 14 July to 4 October.

RAdm. Victor B. McCrea, USN-Ret., has received the Legion of Merit for performance of outstanding services as Commander Transport Amphibious Squadron Six, during the Lebanon Operation.

RAdm. Wayne R. Loud has been decorated with the Commendation Ribbon for outstanding service as Chief of Staff, United States Specified Command, Middle East, during the Lebanon Crisis.

Capt. George E. Peckham has been awarded the Commendation Ribbon for outstanding performance of duty as Commander Transport Amphibious Squadron Two, Amphibious Force, during the Lebanon Operation.

Capt. Peyton L. Wirtz has been awarded the Commendation Ribbon for services performed as Commander Transport Amphibious Squadron Four during the Lebanon Operation.

LCdr. Robert G. Jelenansky has been commended for duty while serving aboard the USS Monrovia at the start of the Lebanon Operation 15 July.

LCdr. Frank G. Adkins has been awarded the Commendation Ribbon for performance of duty in connection with the design, development, testing and production of the LVT family of vehicles from February 1952 to August 1958.

LCdr. William P. Shuman, Jr. has been awarded the Commendation Ribbon for service as Chief of Staff Officer and Operations and Plans Officer on the Staff of Commander Transport Amphibious Squadron Six, Commander Task Unit 61.1.3 during the Lebanon Operation.

Lt. Milton L. Sutter has received the Commendation Ribbon for heroism in rescuing two boys who had fallen through the ice on Silver Lake, Norfolk, Va., 27 Dec. 1958.

CHANCE
VOUGHT
DALLAS, TEXAS



Here Is How Air Force Plans To Use "White Charger" Promotion, Retirement Rules

How does the Air Force plan to implement new promotion and retirement rules to be authorized by "White Charger"?

Here are the details as outlined to the Senate Stennis Armed Services Subcommittee by Maj. Gen. J. J. Nazzaro, Director of Personnel Planning:

Initially, the Air Force plans to consider for promotion to the next higher permanent grade from below the primary zone of consideration officers who meet the following criteria:

1—Have served on active duty in or above the grade of captain, major, or

lieutenant colonel, whichever is appropriate, for at least four years. Four years in grade is considered the minimum length of time for an officer to establish his qualifications for accelerated permanent promotion under normal conditions. Normally, this will require that he perform in at least two different assignments and be rated by at least two different rating officers.

2—Have not less than 10, 14 and 18 years of promotion list service for promotion to the grades of major, lieutenant colonel and colonel, respectively.

3—Have been nominated for accelerated permanent promotion by a nomination board convened at Headquarters USAF or at a major command. The numbers of officers rendered eligible for below the zone consideration, even considering the promotion list service and time-in-grade restrictions, will be such that some type of screening action will be required. This screening action will insure that only those exceptionally well qualified for an accelerated advancement are considered by the final board. Final selection will be by board action at Headquarters USAF.

Accelerated Promotion

Officers considered for accelerated promotion under this provision of the proposed law will be evaluated in conjunction with all other officers being considered from the primary zone. The number that may be promoted from below the primary zone cannot exceed 5% of the number specified by the Secretary for promotion to a particular grade.

Here is how this will work for accelerated promotion to permanent major. Accelerated permanent promotion to lieutenant colonel and colonel will work in a similar manner.

The Officer Personnel Act requires that permanent captains be promoted to the grade of permanent major upon the completion of 14 years' promotion list service unless deferred. Selections for promotion to permanent major must be made sufficiently in advance of the time an individual completes 14 years of service so that he can be promoted, if selected, on the date he completes the 14 years. Since selections are on an annual basis, captains serving in their 13th year comprise the primary zone. Under the Air Force implementation plan, a minimum of 10 years' promotion list service would be required as one of the criteria thereby limiting the below the zone considerations to captains serving in their 10th, 11th and 12th year of service. In addition, these captains must meet the additional criteria of having served on active duty in or above the grade of captain for at least 4 years.

In addition to the promotion list service and time-in-grade limitations, the proposed legislation itself will serve to restrict the use of this authority to only those truly outstanding people. First, by limiting the number of officers advanced from below the zone to 5% of the promotion quota; and second, by requiring that each accelerated promotion be at the expense of an officer in the primary zone.

Early Retirements

Finally, the early involuntary retirement feature. The proposal provides authority for the selective early involuntary retirement of certain permanent colonels and permanent lieutenant colonels who have been considered at least twice but not selected for promotion to the next higher permanent grade. At least 80% of the number of permanent colonels specified by the Secretary for consideration must be retained on active duty; however, there is no limitation on the number of permanent lieutenant colonels who must be retained.

By 30 June 1959, the Air Force will have approximately 1,200 permanent lieutenant colonels who have been considered at least twice for promotion to the grade of permanent colonel. These officers have been considered from 2 to 11 times and they have served in their present permanent grade from 9 to 11 years. It should be emphasized here that Regular Air Force lieutenant colonels are afforded

only a 45% opportunity of attaining the permanent grade of colonel. Therefore, these permanent lieutenant colonels who have been considered at least twice for permanent promotion to colonel cannot be classed as marginally effective merely because they have not been selected.

The Air Force plans to implement the involuntary retirement provision for permanent lieutenant colonel as follows:

Consider Lt. Cols.

In 1959, the Air Force would consider for involuntary retirement those permanent lieutenant colonels who have been considered but not selected for promotion to permanent colonel from 11 times down to 5 times, inclusive. The establishment of this zone is predicated on the fact that under normal circumstances an individual would retire after he had been considered for the 4th time. The Air Force has interpreted the Officer Personnel Act as envisioning consideration for permanent colonel for the first time in the 24th year of service. Accordingly, any individual who fails of selection for the 4th time would be in his 28th year—the terminal year for permanent lieutenant colonels. In addition, there will be a provision for the specific nomination by Headquarters USAF and major commanders of any individual who has been considered at least twice, and who, in the opinion of the major commander or Headquarters USAF, should be considered for involuntary retirement. The number to be involuntarily retired will depend upon the quality of the officers considered. Based upon an examination of the records of the officers concerned, it is estimated that from 100 to 200 permanent lieutenant colonels will be retired the first year. Once an officer is considered for early involuntary retirement and retained, he will not be considered again for three years unless specifically nominated.

In this manner, the individual officers concerned will not be subjected to con-

Honor Management Chief



Lt. Col. Leroy G. Russell (right), Fuchu Air Station, near Tokyo, Japan, has been awarded the Air Force Commendation Medal for his service as Chief, Management Engineering Division, Fifth Air Force, since July 1957.

Col. H. A. Hanes (left), Deputy Chief of Staff for Operations, Fifth Air Force, presented the award.

Colonel Russell leaves soon for his new assignment with the 818th Air Division, Lincoln, Nebr.

He is married to the former Miss Enid Forbes, of Bradenton, Mass., they have one daughter, Lynn, 10 years old.

tinuous early retirement consideration, yet the Air Force will have reasonable

—Continued on page 10



500TH CRUSADER DELIVERED TO FLEET

The jet fighter that introduced 1,000-plus-mph speed to carrier decks is now with the Navy — 500 strong. Chance Vought Crusaders are deployed with the Sixth and Seventh Fleets as day fighters and photoplanes. Another Crusader version — the F8U-2N — is being armed and equipped for near-Mach 2 combat in darkness or bad weather. It will join the Fleet next year.

With the Crusader's dynamic design, Vought engineers broke down barriers that have stymied carrier aircraft performance. In the same way, the Navy has tuned U. S. carrier design to the changing requirements of defense. Since World War II, these floating bases have been improved 50% in all-weather operation, 100% in aviation fuel capacity and 200% in ammunition storage.

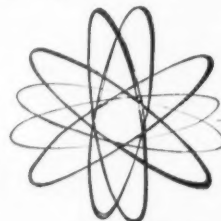
It was a supersonic step forward when these high-performance carriers were joined by the Crusader. The transition was completed at low risk and cost. And these fastest of all Navy fighters have since proved reliable, serviceable and economical, too, in long periods of foreign duty that have included Quemoy and Lebanon.

Design and production of high-performance aircraft make up part of the broad spectrum of Chance Vought fields of activity. Other areas include: advanced weapons, astronautics, electronics, anti-submarine warfare, range systems management, commercial process control systems.

CHANCE VUGHT
DALLAS, TEXAS

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CITY STATE

Final Fiscal '60 Defense Budget Could Total \$42 Billion; Pentagon Boosts Request

THE Defense Department's new bank account for fiscal '60 is expected to top \$41.5 billion—\$412 million more than the President originally requested.

In fact, latest developments on Capitol Hill indicate that Congress may end up appropriating more than \$42 billion for defense.

Here is the sequence of events which lead to this conclusion:

The President originally asked for Defense funds totalling approximately \$41,088,200,000, including military construction funds of about \$1.5 billion.

The House axed some programs and

added to others, eventually approving \$39,269,339,000. Added to the program of \$1.5 billion, which is being considered separately, this would make a total of \$40.7 billion.

With the budget now before the Senate, the Pentagon has come forward with an adjusted program totalling \$39,806,438,000 for overall Defense needs and about \$1,470,000,000 for military construction. This makes a new grand total of approximately \$41,274,138,000, or about \$1.2 billion more than the President originally requested.

In addition, the Army has found that

it will need an additional \$267 million because of a "miscalculation" in its budget request. The House Appropriations Committee noted earlier that a \$217 million "mistake" had been made in the Army request and suggested a supplemental estimate to cover the shortage. Now, the Army has advised the Senate that it not only is short \$217 million but an additional \$50 million it had expected to get from recoupment which did not materialize. Thus, the Senate may add this amount.

The Senators also have shown considerable interest in supporting a larger

active Army and Marine Corps than is proposed by the President and approved by the House. If they vote funds for this purpose, the amount would be about \$132 million more for the Army and \$468 million more for the Marine Corps.

Some other factors also complicate the prognostication. In revising its budget request before the Senate, the Defense Department asked that some of the funds juggled into new areas by the House be re-juggled back to their former position.

For example, the House eliminated \$260 million for the Navy's carrier, but added \$255.3 million for anti-submarine warfare. The Pentagon has asked that the full amount for the carrier be restored and that most of the House-approved ASW funds be reduced. If the Senate agrees with the Navy that the carrier is essential—a move which is expected—the Senators may be forced, as a compromise, to also approve the House recommendation for an expanded ASW effort. This would add another quarter of a billion dollars to the revised Defense Department budget program.

These items alone, when added to the Defense Department's \$41.3 billion request, give a cumulative total of \$41,975,234,000, and this amount does not take into account numerous other areas of controversy where ultimate action may bring further add-on's.

The final answer will not be known until the budget is approved by the Senate and undergoes its usual compromises in conference, but the eventual price-tag on the budget as it goes to the White House is likely to be higher than the President wanted.

Pentagon Opposes House Budget Cuts

The Pentagon is not happy about some of the House-cuts in the military budget. And, neither are Defense Department officials pleased about some of the added funds the House heaped on programs with less priority.

As a result, Secretary of Defense McElroy and each of the Services have asked the Senate to make substantial changes in the House-approved military appropriations bill for fiscal '60.

Here are some of the items the House eliminated which the Pentagon wants back:

- \$25 million for proficiency flying.
- \$2 million for Air Force permanent changes of station.
- \$260 million for the Navy's carrier.
- \$127.5 million for the Air Force MACE.
- \$129.9 million for BOMARC.
- \$160 million for operations and maintenance, all Services.

Here are some of the items the House added which the Pentagon says it would just as soon do without:

- \$152.5 million for the Army Reserve and National Guard.
- \$85 million for the Air Force ATLAS.
- \$14 million of the \$87 million for the Air Force MINUTEMAN.
- A provision that \$80 million in MATS funds be made available only for procurement of commercial transport.
- \$253.9 million for an expanded anti-submarine warfare program.

And, here are some of the House-cuts which the Pentagon has agreed to accept:

- \$103,000 for Air Force Senior Officer Indoctrination courses. Action is being taken to discontinue the courses.
- \$2,040,000 in Air Force Academy O&M funds.
- \$1.3 million for Marine Corps procurement.
- \$32.8 million for Air Force BOMARC.
- \$8.3 million for Air Force radar improvement.
- \$3.2 million for in O&M funds for all Services.



Sharp new eye for navigation

SHARPEST new "eye" for flight is the Ryan C-W Doppler navigator. Based on the advanced development of continuous-wave radar, this system of electronics "intelligence" has been pioneered by Ryan and the U.S. Navy for navigation at all speeds. It tells pilots how to fly to any spot on the globe, with speed and precision, and lets them know exactly where they are at all times.

With the Ryan navigator, military aircraft and jetliners can fly a new "electronic skyway" which provides precise separation between planes and conserves time and fuel. And, because RYANAV systems work right down to ground and sea levels, these advantages accrue at take-off, climb-out, descent and landings, as well as enroute.

The Navy has selected RYANAV for installation in six major types of naval aircraft. They are already in squadron use in the Navy's first all-weather anti-submarine helicopters and are being installed in Army aircraft and helicopters, for low-level "nap of the earth" operations.

Reasons for such wide and versatile use are found in the unique features of RYANAV systems: They are the lightest, simplest, most reliable, most compact of their type. They are setting new standards of accuracy, freedom from adjustment, and ease of maintenance... opening new areas of navigational, guidance, and orientation applications. Ryan electronics engineering assistance is available upon request, to those who wish to explore these areas.

Ryan's rapid growth in electronics is creating new opportunities for engineers and technicians

RYAN BUILDS BETTER

Electronics Division
Ryan Aeronautical Company, San Diego, Calif.

U. S. Air Force, Army Team With Industry To Score Success At Paris Air Show

From first page—

In this approach, Colonel Robinson and his military associates had effective support from the U. S. industrial exhibitors. They also emphasized research and development achievements and goals.

The full range of U. S. military aviation was covered in a dramatically coordinated presentation that began with an aerial demonstration by Miss Jerrie Cobb in an Aero Commander.

The daughter of Lt. Col. William Harvey Cobb, USAF-Ret, and a world speed record holder, the lovely Miss Cobb scored a brilliant success with the French audience.

At the opposite end of the horsepower range, the U. S. Air Force's flying show was highlighted by a precisely timed

son was charged with the intricate mission of coordinating U. S. military participation in the 1959 Paris Air Show.

Directing the activities of some 450 U. S. Air Force and U. S. Army military people, including pilots and public information officers, Colonel Robinson began work on the exhibition in February.

One critical problem was to make certain that all participants in the Air Show flying were able to meet their time schedule within 30 seconds. That was the maximum time allowance for aircraft; any pilot who missed being on target by

more than 30 seconds was scrubbed from the show.

Colonel Robinson, who soon will be completing a four-year assignment in Europe, is Director of Operations Services for U. S. Air Forces in Europe at Ramstein, Germany, under Brig. Gen. B. O. Davis, Deputy CofS for Operations.

Aiding Colonel Robinson here were Col. Reginald Cram, USAF, head of the Air Force Orientation Group at Wright-Patterson AFB, Ohio, who was in charge of the Medical and Aerospace activities; Lt. Col. William Dufault, USAF, Deputy for Aircraft, Static, and Aerial Demonstrations; Maj. Gen. Glenn Alexander, Assistant Operations Officer; and Maj. Edward Weber, USA, who was the Army's senior project officer for the Show.

Army Navy Air Force Journal
27 June 1959 (Vol. 96, P. 1297)

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"White Charger"

From first page—

legislation in the immediate future.

The Navy and Marine Corps will use separate "hump" legislation to prune their ranks during the next 10 years. The Army has said it has no particular need for either authority.

Speedy Senate approval of the plan would improve the "White Charger" proposal's chances of being considered during the current session by the House. Unless Senate passage comes soon, however, there is little expectation that the measure will be approved this year.

SAC INTERMEDIATE RANGE BALLISTIC MISSILE

A JOURNAL STAFF REPORT



flyby of a B-52 from the U. S., aerial demonstrations of the Lockheed C-130 Hercules, and the mammoth Douglas C-133.

A missile display, hailed as the "largest ever staged," was featured by four USAF missiles, including the Convair Atlas, Douglas Thor, Martin Mace, and Boeing Bomarc, and four Army missiles, the Redstone, Honest John, Hawk, and Corporal.

The range of U. S. jet military power was pointed up during the flying part of the show with a flight by Capt. Bob Fogg, USAF, in a Cessna T-37 trainer and the streaky of a McDonnell F-101 Voodoo, Convair F-102 Delta Dagger, and a Lockheed F-104 Starfighter.

A feature of the 23d Salon was an F-104 flight from England to France, which recreated the 37-minute adventure of Louis Bleriot on 25 July 1909.

Lt. Col. James H. Jabara was at the controls of a Lockheed F-104B Starfighter in a flight that took nine minutes from London to Paris. Lt. Chris Jessen occupied the second seat.

The swift jets and the flight of the B-52 from Walker AFB, N. M., via Alaska to Europe—it was commanded by Maj. Henry Morris—captured prime attention in the flying show, but the European spectators also followed closely the helicopter demonstrations.

Air Force and Army helicopters built by Hughes, Bell, Hiller, Vertol, and Sikorsky Aircraft Companies were shown.

They Planned U. S. Air Show Effort

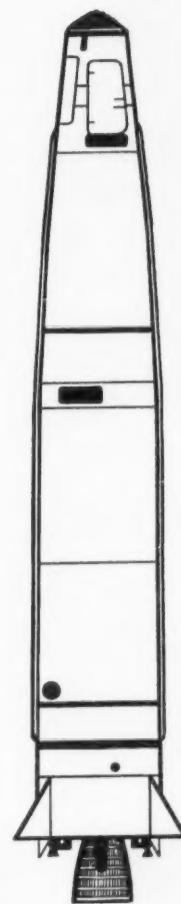
LEBOURGET AIRPORT
PARIS, FRANCE

JUST as he had done here two years ago for the 22d International Aeronautical Exposition, Col. James D. C. Robin-



The man:

... a launch-control specialist in a Thor SAC squadron. His instruments report each automatic step in the launching procedure of the big IRBM. U.S. Air Force and Royal Air Force missilemen are receiving Thor training side-by-side ... have readied and fired these missiles within a 20-minute count-down.



The missile:

... can destroy targets as far as 1500 miles away within minutes after hostile action is detected. Douglas Thor missiles were the first intermediate range ballistic missiles to be deployed overseas. The United Kingdom has announced the delivery of the first Thors, for operation by Royal Air Force personnel.

The missions:

... are many—because of the Douglas Thor's versatility. As a highly mobile weapon with atomic capability, it sternly warns potential enemies against aggression. As a powerful and reliable booster, it is playing a leading role in our exploration of outer space with satellites and probes.

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Sergeants Major At Belvoir Engineer Center



SIX master sergeants at Ft. Belvoir, Va., have won the new top E-9 rank. Front left to right are Sergeants Major William P. Massey, U. S. Military Academy Preparatory School; Anthony M. D'Amato, 87th Engineer Battalion (Construction); and Thomas F. Good, 91st Engineer Battalion (Combat). Standing left to right are Sergeant Majors William R. Randall, 588th Engineer Battalion (Construction); Edward G. Mays, Headquarters, 79th Engineer Group (Construction), living at 6717 Edsall Road, Springfield, Va., and Erwin E. Baldrige, U. S. Army Engineer School, residing at 116 Piper Lane, Alexandria, Va.

Name M/G Palladino To Reserve Board

Maj. Gen. Ralph A. Palladino, USAR, has been designated by John Slezak, Chairman of the Reserve Forces Policy Board, to succeed RAdm. I. M. McQuiston as military advisor to the Chairman, executive officer and non-voting member of the Board—a position held by Admiral McQuiston since 1950. The Admiral retires this summer.

DOUBLE DEGREE

Maj. Charles E. Hall, Military Personnel Section, Office, Chief of Army Ordnance, has unique distinction of being awarded degrees from two separate educational institutions this month. He received a Bachelor of Science degree from the University of Maryland at College Park 6 June and was awarded a Master's degree from the Babson Institute of Business Administration at Wellesley, Mass., 22 June.

AOMC Gets \$1¼ Million For Space Projects

The Army Ordnance Missile Command has been authorized to conduct research projects encompassing 16 selected items in the Nation's advanced space propulsion, material, guidance and control areas.

The \$1¼ million authorization will be accomplished partly by the Command, and partly under contracts let and monitored by AOMC, Roy W. Johnson, Advanced Projects Agency Director, said.

Of the total allocation, \$550,000 is for space materials research; \$280,000 is earmarked for investigation of ion thrust components, plasma propulsion, and researches into storage of liquid hydrogen and liquid helium; and \$425,000 for guidance and control research.

The guidance and control work is related to future needs in the SATURN booster project at AOMC and also is expected to aid in the Nation's missile and space efforts, the Defense Department said.

Army Gives Temporary Silver Leaves To 32

The Army has advanced 32 majors to temporary lieutenant colonel in Special Orders 120, effective 17 June.

Those advanced include officers through Sequence No. 82, D/A Circular 624-47, dated 9 March 1959.

They are:

Bond, John R. F., OrdC	McCaslin, Jas. K., Inf
Botts, Luther B., Inf	McDonald, Thos. J., Jr., Arm
Branham, M. G., OrdC	Millhouse, F. G., Arty
Brinson, Arthur, Arm	Mulligan, Tracy E., Jr., QMC
Clifford, R. W., Inf	Patterson, Jas. A., Inf
Coady, Gerald G., Arm	Reafleng, H. E., QMC
Connors, L. P., Inf	Rush, Roger S., TC
Ducote, R. J., Jr., CE	Shockley, Jas. W., Arty
Dwyer, W. F., Arty	Shoemaker, J. O., Inf
Egan, Frank J., Inf	Short, John G., CE
Fulsang, E. J., Jr., Arty	Suchler, Oscar A., Inf
Hazel, Chas. E., Arm	Tideman, R. R., Arm
Howard, H. H., CE	Webb, Travis E., Inf
Keown, Jas. LeR., Arm	Williams, P. R., Arm
Koib, Jas. T., Arm	Wilson, Saml. V., Inf
Martin, L. E., Jr., Arty	
McAuley, J. A., Arm	

Industrial College Gets New Deputy

Maj. Gen. Evan M. Houseman, USA, Commanding General of the Army Transportation Terminal Command, Atlantic (USATTC), has been named Deputy Commandant of the Industrial College of the Armed Forces at Ft. Lesley J. McNair, Washington, D. C. As the Deputy Commandant, he will be the senior Army officer on the staff.

A graduate of the Industrial College in 1951, General Houseman will take his new post at the College on 1 August, 1959.

General Houseman and his wife, Beatrice have two children; a son, Evan K., and a daughter, Jan.

A Review in honor of General Houseman's departure will be held in the Quadrangle of the Terminal on 30 June. Staff officers, and Escort of Honor and the 328th Army Band will participate.

On Friday, 26 June, a reception was held at the Ft. Hamilton Officers Club in honor of officers who will be departing the Command in July. General and Mrs. Houseman headed the receiving line in the Jackson Room.

Other departing officers are: Col. Harold E. M. Nelson, Lt. Col. Robert D. Scott, Lt. Col. Paul V. Plapp and Capt. Ira H. Scheinerman.



Maj. Gen. Houseman

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U. S. ARMY ORDERS

Wilber M. Brucker—Secretary of the Army

High M. Milton, II—Under Secretary of the Army
James Short—Assistant Secretary (Manpower & Reserve Forces)
George Johnson—Assistant Secretary (Logistics)
George H. Roderick—Assistant Secretary (Financial Management)
Richard S. Morse—Director, Research and Development
General Maxwell D. Taylor—Chief of Staff

GENERAL OFFICERS—

Maj General

Rumaggl, Louis J, is retired.

Brig General

Cassidy, William F, EUSA, to OC of Engrs, Wash, DC.
 Sydenham, Henry R, San Francisco, to BAMC, Ft Sam Houston.
 Richardson, James A, Philadelphia, to EUSA, Seoul, Korea.
 Throckmorton, John L, West Point, to 101st Abn Div, Ft Campbell.
 Rich, Charles W G, Ft Campbell, to USMA, West Point.

INFANTRY—

Colonel

Long, Talton W, Ft Campbell, to USA ADGRU Korea, Yongsan.
 Richards, Frederick W, Wash, DC, to Admin Det USA Task Gp 7.2 JTF 7, Eniwetok Atoll, MI.
 Griffith, Dexter K, St Louis, to 2d Log Comd, Ft Ord.
 White, John W, Cp Johnson, Vt, to France.
 Henderson, Jas E, Monterey, Calif, to OUSARMA Am Emb, Taipei, Taiwan.

Lt Colonel

Clark, William J, Norfolk, to Stf and Faculty, USACGSC, Ft Leavenworth.
 Conrad, Eugene B, Ft Benning, to ARMISH-MAAG, Teheran, Iran.
 Dean, Joseph R, Ft Campbell, to USA Elm JUSMAG, Thailand, Bangkok.
 Stull, Robert K, Oberammergau, Germany, to OACSI USA, Wash, DC.

Major

Aschoff, John F, Jr, Ft Rucker, to ODCSOPS USA, Wash, DC.
 Richters, Robert L, Ft Meade, to USA ROTC Instr Gp, Annapolis, Pa, w/sta Det 7, Staunton Mil Academy, Staunton, Va.
 Hesser, Lowell W, New Haven, Conn, to USA Elm Hq UNC/USK, Seoul, Korea.
 Shoemaker, John O, Ft Lewis, to ARMISH-MAAG, Teheran, Iran.
 Ploshay, Bernard J, Aurora, Ill, to USA Elm JUSMAG, Thailand, Bangkok.
 Monaghan, Thomas J, Wash, DC, to Hq USA Gar, Ft Bliss.
 Cox, Briscoe C, Ft Gordon, to Germany.
 Elsnitz, Sheldon R, Wash, DC, to Korea.

To USA ADGRU Korea, Yongsan, Korea

Klipstine, Charles W, Ft Holabird.
 Schmal, Robert E, Ft Monroe.
 Tatt, Forrest D, Medford, Oreg.

To USA Elm MAAG, Vietnam, Saigon

McCarthy, Francis J, Cp Hanford, Wash.
 Stone, Frank J, Ft Bragg.
 Clopton, Robert H, Oklahoma City.

Col. Rude 7th Army IO

Col. Walter A. Rude has been named Seventh Army Information Officer at Stuttgart, Germany. The former plans officer for Seventh Army G-1, Colonel Rude now directs Seventh Army press, radio and TV relations and supervises the command's troop information functions. He is also responsible for Seventh Army's community relations program within Germany. He replaces Col. Harry Balish, Seventh Army Information Officer since August 1956. Colonel Balish left 13 June for duty with the Armed Forces Special Weapons Project, Sandia Base, N. M.

Captain

Johnston, Richard Y, Ft Benning, to USA ROTC Instr Gp, Annapolis, Pa, w/sta Det S, Virginia Mil Inst, Lexington.
 Davis, Fred J, San Francisco, to Sch Brig, USAIS, Ft Benning.
 Lippincott, John C, Ft Leavenworth, to Stu Det USACGSC, w/sta Australian Staff College, Queenscliff, Victoria.
 Maguire, Ramon D, Ft Benning, to USA ROTC ADGRU III, (XI) Det 14 Joliet Township HSch, Joliet, Ill.

Escribano-Aponte, Angel, Ft Dix, to USA Instr Gp, Puerto Rico, w/sta Univ of Puerto Rico, Rio Piedras.

Grant, Peter H, Ft Churchill, Canada, to USA ADGRU Minn (XIV) St Cloud, Minn.
 McKuin, John W, Ft Riley, to USA Elm Prov MAAG, Korea, Seoul.

Lauterbach, John W, Jr, Ft Benning, to Hq Fourth USA, Ft Sam Houston.

Irick, Edward F, Jr, Ft Benning, to USA ROTC Instr Gp, Columbus, O, w/sta Det 7, Western Ky State College, Bowling Green, Ky.

Dolron, Henry D, Ft Riley, to USA ROTC Instr Gp II USA Corps, Hofstra College, Hempstead, NY.

Harrison, Williams L, Ft Dix, to Fifth USA Stu Det, Chicago, w/sta Purdue Univ, Lafayette, Ind.

Thomas, Lyndel H, Ft Chaffee, to USA ROTC Instr U, Shreveport HSch, Shreveport, La.

Army Navy Air Force Journal
 27 June 1959 (Vol. 96, P. 1299)

Canham, Charles E W, Ft Benning, to Stu Det Fourth USA Instr Gp, Univ of Hawaii, Honolulu.
 Canham, Charles W, Ft Benning, to Stu Det USA, Ft Sam Houston, w/sta Tulane Univ, New Orleans.

1st Lieutenant

Hurley, Charles G, Ft Ord, to USARCARIB (Panama).
 Tower, John B, Monterey, to ARMISH/MAAG, Iran, Teheran.
 Tobias, J John C, Cp Gary, to 18th Avn Co, Ft Riley.
 Hines, Thomas G, Ft Myer, to Lawson Army Afd Comd, Ft Benning.
 Kincaid, Jack D, Ft Benning, to 101st Abn Div, Ft Campbell.

—Continued on page 15

...NEWS IS HAPPENING AT NORTHROP

Demonstrating the platform of LINS—new, Lightweight Inertial Navigation System—is Dr. William F. Ballhaus, Vice President and General Manager of Nortronics.



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RADM. MILES H. HUBBARD, USN, Deputy Chief of the Bureau of Ordnance, presents a Letter of Commendation and Commendation Medal from the Secretary of the Navy to **LCDR. William P. Shuman, Jr., USN**, for his "outstanding performance of duty during the Lebanon Operation from 15 to 25 July 1958." LCDR. Shuman and his family live at 5602 Wyngate Drive, Bethesda, Md.

LCdr. Jortberg Heads ASW A-Sub Tullibee

LCdr. Richard E. Jortberg, reporting from the Office of the Assistant Director Naval Reactors, Division of Reactor Development, Atomic Energy Commission, Washington, D. C., has been named Commanding Officer of the atomic submarine *Tullibee*.

The ship is under construction at the General Dynamics Corporation's Yard at Groton, Conn. Assigned hull number SS(N)-597, the ship is the first to be designed specifically for anti-submarine warfare.

Tullibee will displace 2490 tons, be 258 feet long and have a 24 foot beam. She is slated for commissioning in 1960.

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U. S. MARINE CORPS ORDERS

Commandant—General Randolph McC. Pate
Assistant Commandant—Lt. Gen. Verne J. McCaul
Chief of Staff—Lt. Gen. Robert E. Hogaboom

COLONEL

Berger, Spencer S, NWC, Npt, to MCS, Quant.

LT COLONEL

Norton, William R, HqMC, to 1st MAW.
Armstrong, William D, Ofc of CNO, to MCS, Quant.
Rieder, Glenn L, HqMC, to MCAAS Yuma, Ariz.
Read, Robert R, 1st MAW, to Hq MC.

To 2d MAW

From 1st MAW:
Clark, James H Kean, Joseph W, Jr
Cupp, James N

MAJOR

Jones, Edward H, MCS, Quant, to FMFLant.
Osterhoudt, Peter C, Ft Sill, to ForTrps, FMFLant.
Barlan, Dieran B, 2d Mar Div, to MCB Cam Lej.
Barrett, James B, USNavFor, to 1st Mar Div.
Culpepper, Theodore T, MCRD S Diego, to Cp Futler, Okinawa, pending resig.
Davis, Joseph L, 3d MAW, to MCAF New River, Jacksonville.
Wieczorek, Myron P, 3d MAW, to MCAF New River, Jacksonville.
Allen, Robert L, El Toro, to MAG-26.
Cole, Doyle H, NAATC CorpC, to 2d MAW.
Stamford, Edward P, 3d MAW, to MCAS, El Toro.
Black, Albert A, 3d MAW, to MCAF New River, Jacksonville, NC.
Booker, Jesse V, MCS, Quant, to Hq MC.

CAPTAIN

Crosswalt, Phillip M, NAS, Pncla, to 3d MAW.
Joy, Lester H, USS FD Roosevelt, to 2d Mar Div.
Searle, Richard H, 2d Mar Div, to USS Franklin D Roosevelt.
Bumpas, Hugh R, Jr, ForTrps FMFPac, to Army Lang Scol, Monterey, Calif.
Foley, Ronald G, NAS CorpC, to MCS, Quant.
Shutt, George H, Jr, NASPaxRiv, to AirFMFPac.
Manning, James L, MCB CamPen, to 1st Mar Div.
Wever, Donrue, 6th MCRD, to MCRD Paris Is.
Fuchs, Leonard E, 3d Mar Div, to MB NAD, Concord, Calif.
Terrill, Herbert L, 3d MAW, to MarTD MRTC NAS, Los Alamitos, L Beach.
Coleman, Richard F, FMFPac, to 1st Mar Brig.
Waterstreet, John R, FMFPac, to 1st Mar Brig.
Roth, Earl F, Ofc of CNO, to MCS, Quant.
Baily, Richard B, Wash, DC, to MCS, Quant.
Gray, D'Wayne, HqMC, to 1st Mar Div.
Kelier, Donald E, ForTrps FMFPac, to Hq MC.

To 2d MAW

Peterson, Gerald L, Kingsville, Tex.
Durkin, William L, Albuquerque, N Mex.
Lund, Lloyd L, 3d MAW.
Smith, Kenneth E, 3d MAW.

1ST LIEUTENANT

Gleedson, Hendrik A, NAS, Pncla, to MAG-26.
Watson, Jac D, NAS CorpC, to DIFOTSODA CNABATRA.
Hawkins, Dale C, MCAS, CherPt, to Army LangScol, Monterey, Calif.
Clark, Opie R, NAS CorpC, to MCS, Quant.
Edmondson, Orville R, 1st Mar Div, to CMC HqMC.
Harman, John R, ForTrps FMFPac, to USS Wasp.
Newton, John S, NAS, Pncla, to MCB Cam Pen.
Cummings, Robert C, 1st MAW, to MarPac, pending Resig.
Gore, Orrin R, 3d Mar Div, to HqBn, HqMC.
Sweeney, 3d Mar Div, to MB NS S Fran.
Marshall, Lawrence A, 1st AW, to DIFOTS ODA CNABATRA.
Wood, Richard F, Tengan, Okinawa, to USA

Arty & Missile Scol, Ft Sill.
Jahn, James D, 1st Mar Div, to 3d MAW.
Nelson, Marvin R, 2d ANGLICO, to DIFOTS ODA CNABATRA.
Parsons, James R, 2d ANGLICO, to DIFOTS ODA CNABATRA.

2D LIEUTENANT

Gardner, Benjamin W, Ft Holabird, to Hq Bn, HqMC.
Sabin, Mary L, El Toro, to MCAS, CherPt.

To MCS, Quant

Peterson, Robert L, Palo Alto.
Miller, Richard A, NAS, Pncla.
Kitts, William M, NAS, CorpC.
Tucker, William F, NAS, Pncla.
Clarence, Donald L, Los Angeles.

To 2d MAW

Hamor, Richard M, NAS, Pncla.
From Kingsville, Tex:
Kirchner, J E, Jr Whitehead, Roy D
Resnick, Paul Whitaker, Lewis W

Marine Corps Adopts Short-Sleeved Shirt

A short-sleeved shirt has been authorized as part of the Marine Corps' Summer uniform.

In issuing the Order, General Randolph McC. Pate, CMC, leaves the decision as to when the shirt can be worn up to local commanding officer, both Stateside and overseas. The Order states that the new shirt may only be worn by Leathernecks at work, or when traveling to and from work. It may not be worn as a leave or liberty outfit or when Marines are participating in ceremonial formations.

Only a limited number of the short-sleeved cotton oxford shirts are in the Marine Supply system. This shirt may only be worn with cotton trousers.

New shirts of wool-and-dacron and shirts of cotton-and-dacron-poplin are being authorized and soon will be available through Marine Corps Exchanges.

The Order cautions Marines to purchase only approved shirts.

To MAG-26

From NAS, Pncla:
Burke, Nicholas E Curtis, Edward M
Creel, James R, Jr

To 3d MAW

Johnson, James E, NAS, Pncla.
Thompson, William G, Kingsville, Tex.
Rebstock, Werner F, Ft Holabird.
Haley, Ronald A, 2d MAW.

To 2d Mar Div

Schultheis, Herman A, Jr, NAS, Pncla.
From MCS, Quant:
Laveck, Edmund J Smyth, Thomas J
Gratto, Joseph M

To 1st Mar Div

From MCS, Quant:
Nielsen, Bruce S Wallace, Harry R

CHIEF WARRANT OFFICER

Duggan, W-4 John M, NAS Oakland, to Mar TD MarTC NARTU, NAS NorVa.
Needham, W-3 Edward C, 1st Mar Brig, to 3d MAW.

WARRANT OFFICER

McGrory, John F, ForTrps FMFLant, to USNAV Hydrographic Ofc, Sultland, Md.
Watson, James O, MCRD S Diego, to MB NTC GLakes.

RETIRED

Flake, Lt Col Keigler E.
Moore, Maj Derilas A.

First Fleet Plans Visit To San Francisco Bay

The First Fleet, made up of about 25 ships and 15,000 officers and men, will visit the San Francisco Bay area 17-20 July, VADM. Ruthven E. Libby, Fleet Commander, announces from his San Diego Headquarters.

Upon arrival, Admiral Libby will conduct a formal review as the ships steam under the Golden Gate at noon 17 July. The reviewing party and the Admiral's guests will be embarked in the missile carrying heavy cruiser *Helena*.

Ships included in the visit will be the 5,000-ton attack aircraft carrier *Midway*, the 33,000-ton carriers *Hancock* and *Kearsarge*, the cruisers *Helena* and *Bremerton*, and the submarines *Pomodon*, *Rasher* and *Sea Devil*. Other vessels are the frigate *Wilkinson*, the destroyers *Taussig*, *Hanson*, *Jarvis*, *Pritchett*, *Maddox*, *Brush*, *Cowell*, *Cushing*, *Buckley* and *Fortify*, the fleet tankers *Chemung* and *Ponchatoula*, the ammunition ships *Mt. Baker* and *Vesuvius*, and the store ship *Regulus*.

Other flag rank officers who will participate in the review are: Rear Admirals D. J. Welsh, Commander Carrier Division Three; V. L. Lowrance, Commander Cruiser Division Three; and F. A. Brnadley, Commander Carrier Division 15.

32 Are Graduated At Bethesda School

Graduating exercises for the twentieth class of the U. S. Naval School of Hospital Administration, National Naval Medical Center, Bethesda, Md., were held 23 June.

Comdr. Calvin F. Johnson, Commanding Officer of the School, announced that 32 officers of the Medical Service Corps of the Navy, four U. S. Air Force Medical Service Corps officers, and one Canadian Navy Medical Department officer received Certificates of Satisfactory Completion of the intensive ten-month course in hospital administration.

The graduation address was delivered by Ray L. Brown, Superintendent of University of Chicago Clinics, Chicago, Ill., RADM. Bartholomew W. Hogan, Surgeon General of the Navy, presented the Certificates. Capt. Leo J. Elsasser, Chief of the Medical Service Corps, USN, delivered the Class Charge.

Those graduating were:

Barrett, Lt Neil K	Gonsalves, Lt(jg) J H
Blankenship, Lt(jg)	Jones, Lt(jg) G D
William L	Karr, Lt(jg) J T
Boone, Lt(jg) H M, jr	Keese, Lt Robert C
Bowe, Lt Warren G	Keyes, Maj Joseph E
Clark, Lt(jg) James L	Laedtke, Lt Ralph H
Condon, Lt(jg) E N	Leacas, Lt(jg) K E
Coulson, Lt(jg) H H	Mayo, Lt(jg) M F
Crump, Commissioned	McComb, Lt Gordon S
Officer Eric A	Mears, Capt James C
Curto, Lt James C	Mobbs, Lt(jg) P H
Davis, Lt(jg) Wm P	Morris, Lt Carlton R
Dietz, Lt(jg) Bruce J	Mullinix, Lt(jg) C A
Elmore, Lt Milford D	Novak, Lt(jg) Paul J
Erickson, Lt(jg) G R	Palmer, Lt(jg) Jack J
Fletcher, Lt(jg) W E	Paxton, Lt(jg) A W
Fowler, Lt(jg) E E, jr	Roberts, Lt(jg) B D
Gillenwaters, Lt(jg)	Smith, Lt(jg) Glen R
John D	Stanley, Capt Robt M
Gobbel, Lt(jg) H D	Wisnoski, Capt C S

Cullinan, Maj Joseph M, to temp disab ret list.
Grosscup, Maj Benjamin C, Jr, to temp disab ret list.
McConnell, Capt George L, to temp disab ret list.
Berg, Capt Norman J, to temp disab ret list.
Bowen, 1st Lt Francis E, to temp disab ret list.
Kniseley, CWO-2 William J, to temp disab ret list.

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U. S. NAVY ORDERS

William B. Franke—Secretary of the Navy

Fred A. Bantz—Under Secretary of the Navy
James H. Wakelin, Jr.—Assistant Secretary (Research & Development) (Designated)
Cecil P. Milne—Assistant Secretary (Material)
Richard Jackson—Assistant Secretary (Manpower, Personnel & Reserve Forces)
Admiral Arleigh A. Burke—Chief of Naval Operations

CAPTAIN

Anderson, Edward A (MC), NAS NorVa; to NAS Quonset Point.
Bassett, Robert V R, Jr. CO NROTCU Duke Univ; to XO and NavAdvisor Logistics Div Staff SACEur.
Bentley, James A (CEC), DispPOW; Area PWO Area PWOofc Chesapeake NGF Wash DC.
Briner, Charles E, Supt NGF WashDC; to Supt NavWpnPlant WashDC.
Burkley, George C (MC), NavDisp NavDept; to CO Same Disp.
Combs, Walter V, Jr. CO USS Hamul; to NavB LosA LBeach Tem.
Compton, James R, CO USS Bennington; to JStaff CincPac.
Coward, Asbury, Staff CincNELM; to USNA Annapolis.
Davison, William H, ChStaffOff ComFAirWg Six; to CO NROTCU Columbia Univ.
DeLaurel, Henry H, CO PhilBOTULant; to ComDesDiv 42.
Denton, William, Jr. BuPers Tem; to Staff ServRon Three.
Fiss, Gordon R, Plans and OpOff Staff Com ServRon Three; to ChStaffOff ComServRon One.
Fleming, Allan F, CO USS Pine Island; to CO USS Saratoga.
Flenniken, Clifton W, Jr. CO USS Oglethorpe; to OpOff Staff ComPhilGru Two.
Fulghum, Benjamin C, CO USS Paricutin; to Staff ComWestSeaFron.
Grimm, Edward E, Ofc of Compt of Navy; to ComDesRon 30.
Gurley, Thomas C, CO NavShipRepFac Guam; to BuShips.
Heinz, Luther C, CO USS Boston; to CofS and Aide ComCruDesPac.
Hoch, Ralph K (MC), Co NavDisp NavDept; to PermMbr PhysEvalBd PRNC.
Holmes, Francis H (MC), NavHosp Glakes; to NavHosp Portsmouth Va.
Hoolhorst, Robert A, NavOrdTestU AFMissile Test Cen Patrick AFB; to ComDesDiv 72.
Ingerslew, Donald B. FAETUPac; to Ofc SecDef WashDC.
Keating, Gordon R, NavExamBd NavDept; to ComResCortRon Four.
Kelly, Monroe, Jr. ACofS for Admin Cinc NELM; to CO USS Mount McKinley.
Kleckner, John M (ChC), ThirdMarDiv (Reinf) FMF; to US CG Academy New London.
Larson, Francis W, 11ND Tem; to 13ND.
Marks, James A, Staff CincNELM; to CO USS Muliphen.
McWilliams, Hamlin K (MC), NavHosp CorpusC; to USNA Annapolis.
North, James R, CO USS General H W Butner; to ComDesRon 10.
Norvell, William C, ACofS for Log Com Eight; to BuPers.
OGrady, James W, ChMnStaffGru JCofS WashDC; to CO USS Independence.
Parker, Frank M, CofS and Aide ComTra Pac; to 11ND.
Pressler, Louis P, ONR NavDept; to CO Air BARSRon Two.
Price, Frank H, Jr. DepCh NavSec MAAG Spain Madrid; to ComDesDiv 282.
Scanlon, Joseph H, Jr (DC), Naval Dental Clinic NavB LosA LBeach; to 3dMarDiv (Reinf) FMF.
Sarpino, William J, OIC NavMissileFac Pt. Arguello Lompoc; to Same Fac.
Smythe, Lawrence W, CO NavPhilBase LCreek NorVa; to ACofS for Log Cinc South.
Taylor, Walter R (MC), NavHosp Portsmouth Va; to NorfolkNavShipYd.
Tenney, Richard H, CincNELM SenRep Frankfurt; to The JStaffOff JCS WashDC.
Tipton, Henry C, NYNavShipYd; to ACofS for Logistics CincLantFlt.
White, Frederic H, ChStaffOff NavSec JUSMAG Greece Athens; to CO USS Cascade.
Williams, John B, Jr, USNavPGScol Monterey; to Staff ComNavFor Japan.

COMMANDER

Becker, Jack L, USS MIDWAY; to CO FAS RON 12.
Cabell, John B, HELANTISUBRON SIX; to CO Same Ron.
Elder, Arthur G, NATRACOM NAS PNCLA; to HATRON THREE.
Fink, Christian, USS WASP; to NATECH TRACOM NAS MFS.
Foreman, Robert P, BUORD; to CO USS VOGELGESANG.
Garrison, Lloyd W, AEWRON ONE; to USNA ANNA.
Johnson, John B, BUPERS; to NARESTRA COM NAS GLEN.
Johnston, Robert B, NAVAIRLANT; to BUSHIPS.
Kirk, Leone E, Jr. ICAF WASHDC DUINS; to OFC OF SECNAV NAVDEPT.
McGinnis, Paul H, NAF LITCHFIELD PARK; to AEWRON 14.

Osgood, Arthur H, 14ND; to FIRSTFLT.
Philippbar, Joseph W, Jr. CO USS KENNETH D BAILEY; to BUPERS.
Smith, Jay B, OFC OF INFO NAVDEPT; to PACMISSILE RANGE PT MUGU.
Varn, Corliss P, OFC OF JAG NAVDEPT; to NAVSUPPACTY NAPLES.
Bachman, Julius J, NAVGRU JUSMMAT ANKARA; to CO USS WILLARD KEITH.
Deems, Nyal W (CEC), DPWO 11ND; to MCAS EL TORO.

Haynie, John C, Jr, CO FASRON EIGHT; to USS CORAL SEA.
Herndon, Edward B, III, MUTUAL WPN DEV TEAM PARIS; to CO USS ORLECK.
Holzer, Charles K, USNAVPGScol MONTEREY; to USS GENERAL J C BRECKINRIDGE.
Hopkins, Robert H, USFORJAPAN; to HAWSEAFRON.
McGinty, William G, NAAS KINGSVILLE; to AEWRON 12.
McInnis, Alex N, Jr, CARDIV TWO; to NAS JAX.
Miller, Gerald E, FAIRJAX; to OPNAV.
Moore, James H, Jr, USS NOBLE; to CO USS COGSWELL.
Olson, Robert C, BUPERS; to MADAEC GERMANTOWN.
Pardue, Daniel G, NAS BARPT; to NAAS KINGSVILLE.
Porterfield, Floyd R, USS MULIPHEN; to CO USS ALLEN M SUMNER.

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Puhg, George S, FLETACSUPPRON 21; to AIRTRANSRON THREE.
Sherwood, Wilbur G, DESLANT; to CO USS JOHN W THOMASON.
Stephens, Sidney B, Jr, OPNAV; to USS NORTON SOUND.
Cafferata, William F, CO BLANDY; to 6ND.
Drachnik, Joseph B, USNAVPGScol MONTEREY; to CO USS ALFRED A CUNNINGHAM.
Erdmann, Robert F, CO USS NORRIS; to USS GRAND CANYON.
Hopley, Eric E, COMSUBDIV 11; to BUPERS.
Lund, Robert W, NAAS SAUFLEYFLD PNCLA; to NAS PNCLA.

—Continued on page 29



Ride herd on 45 radio channels—automatically...



Picture a naval ship's radio system under full dial control from 60 positions. It has been done—using basic switching systems developed by AE.

Two separate systems, one with 45 transmitter-receiver units and 30 remotes, and another with 30 transmitter-receiver units and 30 remotes, can be switched to any of 45 frequency channels, and accessed by dialing from the remote control positions. Communications can be restricted to conference circuits or fed to the ship's public-address system.

Automatic switching such as this is right down AE's alley. In fact, AE switchboard equipment is used on all first-line ships of the Navy.

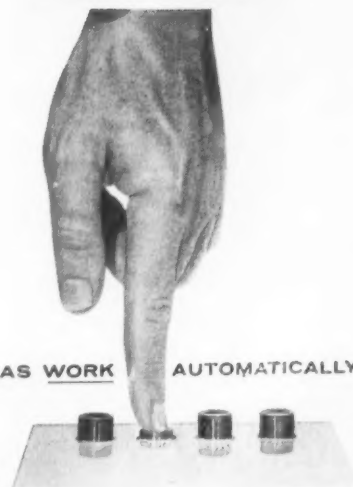
If you have a tough problem in communications or control, AE can help solve it. We're equipped to supply the components or complete control packages. For results, write the Manager, Government Service Division, Automatic Electric Sales Corporation, Northlake, Illinois.

AUTOMATIC ELECTRIC

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GENERAL TELEPHONE & ELECTRONICS



MAKING IDEAS WORK AUTOMATICALLY



Here Is How Air Force Plans To Use "White Charger" Promotion, Retirement Rules

From page 3—

control over their retention based on their performance.

The picture with respect to permanent colonels who have been considered at least twice for promotion to permanent brigadier general is considerably different. The Air Force recognizes that only a select few permanent colonels may be promoted to general officer rank. As a result, no stigma is or should be attached to non-selection.

By 30 June 1959, the Air Force will have approximately 600 permanent colonels, serving in the active duty grade of colonel, who have been considered at least twice for selection to the grade of permanent brigadier general. These officers will have served in their present permanent grade from 6 to 11 years.

Going on the premise that an individual serving in his permanent grade for excessive periods of time is more likely to lose his vitality, the Air Force would utilize this legislation to consider for early involuntary retirement in 1959 marginally effective permanent colonels.

In this case, however, the zone would be established in numerical increments of 200 starting with those officers promoted to permanent colonel in 1948 and 1949 and extending into some of those selected in 1950. Then, there will be a provision for the specific nomination by Headquarters USAF and major commanders of any individual who has been considered at least twice and who in the opinion of the major commander or Headquarters USAF should be considered for involuntary retirement. In this grade, the proposed law limits the number who may be involuntarily retired to 20% of those considered. This means that 40 would be the maximum number that could be eliminated in any particular year. Based on an examination of the records of these officers, it is estimated that approximately 25 would be retired the first year. In each succeeding year, an additional 200 will be considered in

order of permanent seniority. Once considered and retained, a permanent colonel will not be considered again unless specifically nominated.

The Air Force desires this legislation for use as a quality control feature in its overall management program. None of the elimination features will be utilized as a means to provide greater opportunity for promotion, but rather as a means of maintaining the type of high quality officer force necessary in today's increasingly complex environment.

Senate Approves Gen. O'Donnell

The Senate has confirmed the appointment of Lt. Gen. Emmett "Rosy" O'Donnell, jr. for four-star rank as Commander-in-Chief, Pacific Air Force. There was not a dissenting vote when the final vote on his confirmation was taken.

General O'Donnell, now serving as Deputy Chief of Staff (Personnel), succeeds General Laurence S. Kuter who will become Commander-in-Chief, North American Air Defense Command, Ent AFB, Colo., on 1 August.

Col. Scott To Chanute

Col. Clayton A. Scott, 3500th Pilot Training Wing executive officer is being reassigned from Reese AFB to Chanute AFB, Ill., where he will assume duties as base executive officer. He is scheduled to depart 29 June.

To Scientific Advisory Bd.

Lt. Col. Kent P. Howard, Chief of Wright Air Development Center's Nuclear Engineering Test Facility, has been named Assistant to the Secretary of the Scientific Advisory Board. He will be assigned to the Office of Chief of Staff at Headquarters USAF in Washington, D. C., on 14 July.

Colonel Howard is the son of the late General C. W. Howard.

How to make a weapon



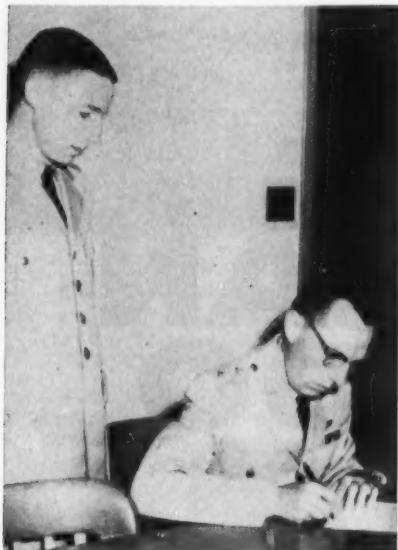
Build it around a man!
He's the most valuable 170 lbs. you can put in a modern weapon system.

If a weapon carried computers and other electronic gear with even a fraction of his capacity to sense, remember, analyze, and react—it would be so heavy you couldn't get it off the ground.

And such a weapon still would lack man's unique ability to make command decisions... take charge if one of the systems fails... respond to new orders... report results.

That is why the Air Force, looking far into the future, wants

Father—Son



MAJ. Gen. Ralph P. Swofford, jr., Deputy Chief of Staff for Development, Headquarters, USAF, signs the Oath of Office sworn to by his son, newly commissioned 2d Lt. Frank W. Swofford, USAF. General Swofford addressed the seniors of the Duke University Air Force ROTC just prior to their graduation and then rendered the Oath of Office to the group, which included his son Frank. Lieutenant Swofford was designated a Distinguished Air Force Graduate on the basis of his academic attainments at Duke and has been nominated for a Regular Air Force commission. He will report to Lowry AFB on 13 July to attend the Guided Missile Maintenance Officer Course.

M/G Senter Named Ass't DCofS, Materiel; B/G Davis AMC Procurement Director

Major General William O. Senter, Director of Procurement and Production at Headquarters, Air Materiel Command, for the past two years, will leave for an assignment at Washington, D. C., 17 August.

Brigadier General Raymond A. Davis, who has been nominated for promotion to the temporary rank of major general, will become the new Director of Procurement and Production, General Anderson said. General Davis is now AMC's deputy for production.

Also announced was the appointment of Col. Henry MacDonald, AF Jupiter Liaison Officer at Huntsville, Ala., as

AMC's Deputy for Production.

General Senter will become Assistant Deputy Chief of Staff, materiel, at Headquarters, U. S. Air Force.

Earlier, announcement had been made that General Davis would become Director of Plans and Programs. These orders have now been revoked, and announcement of the officer to fill this position will be made later.

The Director of Procurement and Production at AMC is responsible for successful completion of Air Force purchases anywhere in the world.

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U. S. AIR FORCE ORDERS

James H. Douglas, Jr.—Secretary of the Air Force
Malcolm A. MacIntyre—Under Secretary of the Air Force
Philip B. Taylor—Assistant Secretary (Material)
Lyle S. Garlock—Assistant Secretary (Financial Management)
Joseph V. Charyk—Assistant Secretary (Research & Development)
General Thomas D. White—Chief of Staff

MAJ GENERAL

Donnelly, Hq USAF, Wash, DC, asg addl dy Chairman, US Sect, Canada-US MCC, 1 Jul.

Sessums, John W, Jr, ret 30 June.

Senter, William O, Hq AMC, Wright-Patterson AFB, Ohio; fr dy as Dir, Procurement & Production, AMC; asg Office, DCS/M, Hq USAF, Wash, DC, for dy as Asst DCS/M, 17 Aug.

BRIG GENERAL

Cecil, Chester W, Office, AFCompt, Hq USAF, Wash, DC; fr dy as Dir, Management Analysis; asg Hq PACAF, APO 953, SF, for dy as Asst CofS, Compt (A-6), PACAF, EDCSA: 1 Aug.

Macrum, Robert S, ret in grade of Col, 31 Jul; adv to Brig Gen.

Davis, Waymond A, Wright-Patterson AFB; fr dy as Depy Dir/Prod, Directorate, Proc & Prod, AMC; asg dy, as Dir, Proc & Prod, AMC; prev orders revoked.

COLONEL

Shafer, Robert E, March AFB, asg 1134 USAF Sp Actys Sq, HqComd USAF, Ft Myer, Va.

Conlin, Joseph S, Randolph AFB, asg Cdr, 3300th PltTngGru, Graham AB, Fla.

O'Keefe, Timothy F, Seymour Johnson AFB, NC, asg 3894th Sch Gp, AU, Maxwell AFB, Ala, pds Natl War Col, Fort Lesley J McNair, DC.

Gibbons, John P, Denver Div; asg San Bernardino AMA, AMC, Norton AFB, Calif.

From Wash, DC, to Station Indicated

McAllister, Gerald B, Hq 5 AF, PACAF, APO 925, SF.

McKinney, Claude G, Jr, Hq 18th Tac Ftr Wg, PACAF, QPO 239.

Cartaglia, Francis C, Hq AFAFC, Denver, Colo.

Jackson, Edgar R, Jr, Hq ARDC, Andrews AFB, DC.

Stewart, Richard R, Hq 823 Air Div, SAC, Homestead AFB, Fla.

Humphres, Earl C, Hq 6981 Rad Mbl Gp, USAFSS, APO 942, Seattle.

LT COLONEL

Williams, William C, Ent AFB; asg Hq USAF, Directorate of Maint Engr, DCS/Materiel, Wash, DC.

Price, Weston H, Denver; asg San Bernardino AMA, AMC, Norton AFB, Calif.

Maier, Oscar L, Buckley NAS, Colo; asg San Bernardino AMA, AMC, Norton AFB, Calif.

McLaren, William A, Frances E Warren AFB; asg San Bernardino AMA, Norton AFB, Calif.

Jones, Prentiss C, Keesler AFB; asg APO 76, San Francisco.

Noriega, Virgil, Hq 3960th ABG, APO 334, SF; asg Hq AF Institute of Tech, Wright-Patterson AFB, Adv Logistics course, 8 Sept.

Elliott, William W, Eglin AFB; asg Hq Comd-USAF, WashDC.

From Wash, DC, to Station Indicated

Edwards, Wilbur H, Hq 6594 Test Wg, ARDC Lockheed Aircraft Corp, Palo Alto, Calif.

Daniel, Vincent E, Alaskan AACS Region, MATS, APO 942, Seattle.

Silvey, Owen W, Hq 7425 Supp Gp, USAFE, APO 109, NY.

Byrd, Herman E, Hq C AirC, APO 825, New Orleans, La.

Callahan, Joseph H, Hq 5 AF, PACAF, APO 925, SF.

Dyke, Eugene H, Hq MATS, Scott AFB, Ill.

Redman, Frank O, Hq ARDC, Andrews AFB, Wash, DC, dy station Det 1, Wright-Patterson AFB, Ohio.

Eukins, Hq AFCRC, ARDC, Laurence G Hanscom Fld, Mass.

Baucom, George E, Hq USAFE (Adv Echelon), APO 121, NY.

Kaufmann, Frederick W, Hq USAFE, APO 12, NY.

MAJOR

Penn, Moses L, Randolph AFB, asg APO 925, San Francisco.

Osborne, William H, Ent AFB, asg ADC Member, ARDC Joint Test Force for TDDL and Mark XII, IFF Testing, Laurence G Hanscom Fld, Mass, prev ord revoked.

Boblitt, Wallace T, Keesler AFB; asg Maxwell AFB, Ala.

Deese, Lester A, Keesler AFB; asg Lowry AFB, Colo.

Baraya, Albert H, Hill AFB; asg Hq, AMFEA, AMC, Spain Air Logistic Of, APO 285, NY.

Godsey, John C, Jr, Hill AFB; asg 3134 Ammunition Sup Sq, AMFEA, AMC, APO 21, NY.

Minuth, Paul E, Tinker AFB; asg Hq AMFPA, AMC, APO 915, SF.

Finlay, John S, Offutt AFB; asg 1100 AB Wg (Hq Comd, USAF), Bolling AFB, DC.

From Wash, DC, to Station Indicated

Knapp, Robert H, Hq 3550 Fly Tng Wg ATC, Moody AFB, Ga.

Falk, David M, North American Aviation, Rocketdyne, Canoga Park, Calif, course in Astronautics & Space Vehicles; att Norton AFB, Calif, for flying.

—Continued on page 27

system lighter...and brighter

men in two of its most vital weapon systems—the B-70 bomber and the F-108 interceptor.

For though the Strategic Air Command will have squadrons of intercontinental missiles at its command, it will need the B-70 to balance its deterrent power. Aptly named the Valkyrie—for the maidens of Norse mythology who roamed the skies above the battle, deciding its outcome—the B-70 will skirt the edge of Space at 2,000 miles an hour. It will have the range to reach any target...can launch its missiles from afar at enemy ground defenses or the target itself.

And though the Air Defense Command will have a battery of deadly counter-missiles, it will need the 2,000-mph F-108 long-range interceptor. For the enemy must also rely on manned weapon systems for precision bombing. The F-108 Rapier can meet him a thousand miles from our borders...identify him...destroy him.

North American Aviation, Inc. is weapon system contractor for the B-70 Valkyrie and the F-108 Rapier. The best qualified companies in America, large and small, are subcontractors. Work on both these vital projects is already well underway.

AMERICA NEEDS BOTH FOR A BALANCED DEFENSE



UNMANNED weapon systems—like the Atlas, America's first ICBM, and the second-generation Minuteman—will give SAC the power to reach any target on earth in 30 minutes.



MANNED weapon systems—like SAC's B-52 bomber and its successor, the 2,000-mph B-70 Valkyrie—can seek out pinpoint targets...report results...and be redirected or recalled.

THE LOS ANGELES DIVISION OF NORTH AMERICAN AVIATION, INC.



ARMY
NAVY
AIR FORCE

JOURNAL



"SPOKESMAN OF THE SERVICES SINCE 1863"

1710 CONNECTICUT AVENUE N.W., WASHINGTON 9, D. C.

LeROY WHITMAN
Editor-Publisher

D. C. BROWN
President-Comptroller

DANIEL Z. HENKIN
Assistant Editor

27 JUNE 1959

American Industry—Builders For American Security

Indispensable to America's national security are the industrial firms with their experienced management and skilled labor which make possible the development and production of the many thousands of items, from weapons to shoes, which keep our Armed Forces supplied with up-to-date equipment and backed with the reserves necessary to resist aggression.

America's great system of free enterprise has nurtured the growth of our industrial system until it is by far the greatest in history. But to adapt our business and industrial organizations to the needs of the Armed Forces is not something that can be done overnight. It requires, first, a willingness on the part of its leaders and participants to devote their skills and interest to the special requirements of the Army, Navy, Air Force, and Marine Corps, and, secondly, the time and experience to divert from civilian production to military production. It cannot be done overnight. The fact that today's organization is so large and so efficient is due to the fact that many industries have continued and expanded their military capacity since the war in Korea.

Thousands of firms, big and small, are now engaged, in some way or other, in research, development, or production for defense. The more that are willing to participate in the nation's program, the stronger will be our defenses. With this thought in view, THE JOURNAL is pleased to present, beginning on page 18 of this issue, the twenty-fifth edition of our Procurement Directory, wherein business firms express their readiness and capability of taking part in the defense effort. We are sure their participation will be welcomed by all of the Armed Services.

USAF Medical Service Marks Ten Years Of Progress

The Air Force Medical Service will celebrate its 10th anniversary on 1 July 1959, completing what Air Force Surgeon General, Maj. Gen. Oliver K. Niess, has called a decade of progress devoted to providing "maximum medical support of the Air Force mission and complete clinical care of the Air Force man and his family."

The Air Force Medical Service now has 46,000 people and in the last 10 years has built more than 200 new medical and dental facilities.

The birthday of the USAF Medical Service corresponds with the move of the famed School of Aviation Medicine from Randolph AFB, Tex., to its new modern buildings at Brooks AFB, Tex. Speaking at the graduation of the last class to complete its courses at the Randolph facility, General Niess said 19 June "I am confident that here in the laboratories of the school and in the minds of the men who have contributed to the program are the keys which will permit the whole conquest of space."

During the past few months THE JOURNAL has featured exclusive reports on future plans for the AF Medical Service, including possible expansion of the Air Force's largest hospital at Lackland AFB, Tex., and the planned establishment of the Air Force's first medical center by combining the Lackland Hospital with its School of Aviation Facilities at Brooks AFB, Tex., and Gunter AFB, Ala. These activities, plus other outstanding medical programs such as that conducted at the Aeromedical Laboratory, Wright-Patterson AFB, Ohio, have accomplished a remarkable job in assuring that the Air Force not only is prepared to meet the multifold challenges of the space age, but also to provide the best care for Armed Forces families.

The USAF Medical Service is still hampered by the lack of money to replace many of its outdated temporary-type cantonment hospitals, and is striving to secure replacement funds from Congress.

But through the professional skill and devotion of its physicians, dentists, nurses, medical specialists, and supporting personnel, the USAF Medical Service has done a truly outstanding job in lining up with its long established sister services in the Army and Navy to provide the best possible care for uniformed personnel and their families throughout the world.

"Very Good Work In Behalf Of Defense Production"

Secretary of Defense Neil H. McElroy's comments concerning the Congressional ruckus over employment of retired Service personnel by defense industries have been somewhat restrained, yet, withal, showing clearly his appreciation of what this fine group of men has been accomplishing for the national defense.

At his press conference on 18 June, the Secretary was asked for his views on the general subject of "senior retired military officers on the pay rolls of defense contractors." He replied that "We, in the Department are not aware of an improper use of such personnel to push the products of these companies. . . . I think we ought to have in mind that the retired officers of our military services have done very good work in behalf of defense production through the help they have given to the military contractor, with whom many of them have associated themselves, and I think that whatever change in public policy is made, if any, on this matter, should be very careful to protect the continuing right of fine military officers, who do accept retirement, to continue to make their minds, their experience, available through their assistance in the production of military goods."

The issue being complicated with political overtones, the Secretary added that, of course, the Department would cooperate with the investigating committees, and that if anything improper is being done it should be corrected, etc.

We hope that someone in Congress will step forward and strike hard against the implication that there is something wrong with officers continuing to help defense after their retirement. Any man who has devoted a career to the Armed Services and who is retired because of personnel policies decreed by Congress should not be the object of public criticism because he helps to fill a place in an industry striving to fill the needs of defense.

READERS' VIEWS

Title III Retirements

■ I cannot help writing you this letter to tell you how much we of the National Guard and the Officers Reserve who have been retired from the service under the provisions of Title III, P.L. 810 appreciate your very complete and fair coverage of news of the military services and specifically the article published on page 10 by Col. George H. Foster, USAF-Ret., Commissioner of the United States Court of Claims in the 7 March 1959 issue, and the article on page 1 of 13 June 1959 issue. The articles are extremely well presented and I believe they are completely accurate in their reference to laws already on the books.

When I retired in September 1956, I was badly shocked to learn that, since I had been relieved from active duty, the Court of Claims and the Comptroller General had ruled that National Guard and Reserve Officers were not entitled to 75% of their basic pay at the time they qualified for retirement even with World War I active service in combat. I cannot understand how such a decision could have been made

in spite of the Joint Resolution of 1941, and the Armed Forces Reserve Act of 1952 which established as basic policy, "There shall be no discrimination between and among members of the Regular and Reserve components in the administration of laws applicable to both Regulars and Reserves." There certainly has been, in spite of the stated policy of the Congress. Personally, I believe that I have been entitled to 75% of my basic pay ever since the time of my retirement in September 1956. Col. George H. Foster, USAF-Ret., has laid out the complete facts of the case for all to observe. It should result in the Congress taking prompt action to correct a very real injustice to those of us who have been seriously hurt by the action in the administration of the law.

I have read your JOURNAL ever since I was ten years old and was planning to enter the U. S. Military Academy when I was old enough. I still have a five-year paid up subscription. No magazine comes to our house that is more thoroughly read, by everyone. We have many friends still that are in the services.

WALTER H. FRICK
COLONEL F.A. PNG (RET.)
(LT. COL., AUS-RET.)
950 CENTURY BLDG.,
PITTSBURGH 22, PA.

IN THE JOURNAL

10 Years Ago—The Air Force has informed its enlisted personnel that airmen in the lower four grades must receive permits from their unit commanding officer in order to marry. Such permission normally will be granted when the airman is reasonably assured of being promoted to staff sergeant or when the airman can demonstrate capability to support a wife and family adequately.

50 Years Ago—The "horrors of war" are illustrated by the fact that the Boston patriots of 1909 had nearly one-half as many injured in celebrating the anniversary of the battle as their forefathers did in the defense of Breed's Hill on 17 June 1775.

95 Years Ago—Lieutenant-General Grant, appreciating the tremendous labors of the troops in front of Petersburg, fighting by day and entrenching by night, has ordered the distribution among them of a whiskey ration.

A Contract Abrogated

■ THE JOURNAL's 13 June 1959 Editorial, "\$25 Million Unhappy Anniversary," takes the onus off the Congress for the continued delay in remedial legislation to correct the great, unwarranted injustice to retired personnel which was inaugurated in the first place by a six per center edict by the White House during President Eisenhower's first term.

At that time he accepted a pay bill pending in Congress, on condition that those living in retirement be limited to a six per cent in their then present retired pay.

Frankly, about a division of us feel that we have been robbed, rummaged, and plundered. That our long completed contract with Uncle Sam has been post facto abrogated—without a hearing.

G. P. STOKES,
1ST SGT., USA,
RETIRED

Larger Roles In Military Assistance Urged For Unified Commanders, State Dept.

Increased participation by both the State Department and Unified Military Assistance Programs overseas in U. S. Military Assistance Programs has been recommended by President Eisenhower, following the second report of the President's Committee to Study U. S. Military Assistance Program.

Recommendations for the changes, including the establishment of a new three- or four-star military assistance billet in the Office of the Assistant Secretary of Defense For International Security Affairs, were sent to Congress 24 June.

The report of the Committee, headed by former Under Secretary of the Army William H. Draper, Jr., placed top priority on strengthening the position of the State Department on the policy level of military assistance planning.

The responsibility of the Defense Department would focus primarily on the planning and execution of the mutual assistance programs within the framework of policy guidance laid down by the National Security Council and the State Department.

Contending that the "Undue concentration in Washington offices of the Department of Defense of responsibility for the Military Assistance Program has had

some undesirable results," the Committee's report recommended the granting of greater programming authority to Unified Commanders.

The Unified Commanders would also have command control of permanent military assistance training teams within their areas.

To aid the Defense Department in carrying out its military assistance functions, the report recommended establishment of a "Director" of Military Assistance, directly responsible to the Assistant Secretary of Defense for International Security Affairs. Initially, Mr. Draper said, the "Director" should be a three- or four-star active or retired military officer, but in the future he might be a civilian official.

Financial improvements in the program recommended by the report included: programming on a long-term basis of initially three and ultimately five years; formulation of military assistance plans within order of magnitude dollar guidelines; and beginning with the FY '61 Budget, inclusion of Military Assistance appropriations as a fourth section of the Department of Defense budget instead of as a separate Mutual Security Appropriation bill.

Marine Corps Will Retire 1100 Colonels, Lt. Colonels Under "Hump" Provisions

The following chart shows the number of Marine Corps colonels and lieutenant colonels, by year group, who will be forced to retire under the provisions of the "hump" bill. All will have twice failed of selection.

Colonel			
Fiscal Year	Year Group	Total Commissioned Service	Number Retired
1960	1931	29	10
	1932	28	15
	1933	27	4
	1934	26	8
	1935	25	10
	1936	24	21
1961	1936	25	19
	1937	24	10
1962	1937	25	30
	1938	26	14
1963	1938	26	15
	1939	25	9
1964	1939	25	21
	1940	25	30
1965	1940	26	6
	1941	25	24
1967	1941	26	23
	1942	25	8
1968	1942	26	54
	1942	27	64
Total			395

Lt. Colonel			
Fiscal Year	Year Group	Total Commissioned Service	Number Retired
1960	1936	24	7
	1937	23	6
	1938	22	4
	1939	21	15
	1940	20	34
1961	1941	20	56
	1942	20	191
1962	1942	21	53
	1943	21	25
1963	1943	22	55
	1944	23	48
1965	1944	24	37
	1945	24	20
1967	1945	24	53
	1946	24	73
Total			705

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German Air Force, With 350 Jets, Sets Sights On 100,000 Men With 1,000 Planes

ERDING AIR BASE
GERMANY

THE German Air Force, its aim fixed on a fast-moving future that will include procurement of 86 Lockheed F-104 Starfighters in the U. S. and production by German industry of 250 more under license, hopes to triple its combat air contribution to NATO by the end of 1959.

This was made known here to members of the Air Force's National Media

A JOURNAL STAFF REPORT



Tour by top German Air Force leaders. They presented perhaps the most comprehensive briefing that has ever been given to newsmen on future prospects of the all-defense air force.

With a present strength of 40,000 officers and airmen—pilot trainees must sign up for six years—the German Air Force plans to attain a strength of 100,000 in 1963 or 1964.

At that time, it is anticipated there will be 20-22 wings with approximately 1,000 jet aircraft.

Brig. Gen. Johannes Steinhof—like most of the officers, a Luftwaffe veteran and now Deputy Chief of Staff for Operations—told reporters that the German Air Force has two combat-ready wings assigned to NATO and expects four others to achieve this status by the end of the year.

Entirely a tactical air force under NATO control, the German Air Force uses the Republic RF-84F, but will begin procurement of the NATO G-91, which is built in Italy, and the Lockheed F-104's, which will be equipped with Sidewinder missiles.

General Steinhof, 46, who wears U. S. as well as German Air Force wings,

MISSILE RESTRICTION

Negotiations are underway to ease the restriction on German missile manufacture.

Treaties provide that the Germans cannot produce any missile longer than 2 meters or more than 30 diameters in circumference.

Unless this ban is lifted, the Germans would be denied participation in the plan that calls for overseas production of the Raytheon Hawk missile.

completed jet training at Williams AFB, Ariz. He has been checked out in the F-104.

In answer to a question from a JOURNAL reporter, the General said the German Air Force, like the U. S. Air Force, has a serious problem in retaining skilled maintenance personnel, "particularly with the new growth of the German aviation industry."

He said, however, that there has been a decided improvement in the attitude

RETIRED IN 1920, ON DUTY IN 1959

The Commander of the German Air Force's Air Group South, with headquarters at Karlsruhe, is Maj. Gen. Joachim F. Huth. He participated in the briefing for U. S. reporters.

The general, who will be 63 on 31 July, was wounded four times in WWI and lost his right lower leg and was retired in 1920.

He was "reactivated" in 1933 and at the end of WWII was CG of a home air defense fighter division in Southern Germany.

After working as a factory purchasing director and assistant director of an insurance company, he was recalled to the new German Air Force in November 1956.

of the German public toward its new Air Force, and that as a result procurement of personnel is coming along satisfactorily.

At full strength, the Germans plan to have approximately 3,000 pilots, or 3% of the force, with an officer strength of 9,000-10,000.

As young men enter its ranks, the percentage of Luftwaffe veterans will be dropping sharply.

Of the 6,000 Luftwaffe pilots who survived WWII, about 60 are now combat pilots with the new German Air Force, with 200 others serving as instructors. About 70% of the officers and airmen in the new organization served previously in the Luftwaffe.

General Steinhof said the Germans plan to stay with a two-squadron wing as the buildup progresses. He said that in Europe there is the feeling that the two-squadron wing affords more flexibility than a larger organization.

A measure of the German Air Force buildup is its plan to spend more than \$4 billion on construction projects in the next four or five years.

Now training in the U. S., German airmen will return about September to form the first Nike Ajax battalion, which is slated for activation next Spring. Plans call for the Air Force to have three Nike battalions, including Ajax and Hercules batteries.

The Nike units will not be under national command control. Instead, they will be under the 4th Allied Tactical Air Force, which has its headquarters at Ramstein, Germany, commanded by General Frank F. Everest, USAF.

French AF Report

Next week's issue of The Journal will publish a report on France's air contribution to NATO, based on an interview with a senior French air commander on NATO assignment at Lahr, Germany.

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NAVY PARTICIPATION IN THE INTERNATIONAL AIR SHOW at Paris was scuttled because of fiscal year-end budget shortages. Although it was hoped that the U. S. Armed Forces would be able to present a "unified" exhibit, the Navy found it necessary to drop out for want of funds. Navy representation, however, was not a total zero. The Chance Vought exhibit was featured by a model of the F8U-2N Crusader.

GENERAL CHARLES DEGAULLE, who was escorted through the U. S. military exhibition by Col. James D. C. Robinson, asked particularly to be shown through the mammoth Douglas C-133 turboprop. "Magnifique" was the General's comment to Colonel Robinson as they left the plane.

ANOTHER POINT OF INTEREST for General deGaulle was the space science exhibit staged by the USAF School of Aviation Medicine at Randolph AFB, Tex. Col. Robert H. Blount, USAF (MC), Deputy Commandant, made what he described to a Journal reporter as "an all-out effort in my halting French to explain our exhibit to General deGaulle. When it was time for the general to leave," said Colonel Blount, "he turned to me and said in perfect English: 'Thank you very much for showing me the splendid exhibition.'"

A JOURNAL REPORTER walking through the Soviet's new TU-114 turboprop which can carry up to 220 passengers—perhaps as many as 250 troops—advises that the huge plane (its 30 steps up to the front doorway) is something less than a glowing advertisement for the classless society. Although most of its passenger capacity is made up of regular commercial airline type seats that are three-and-three across, the TU-114 also has a more regal compartment and four plush Pullman style units with fancy seats that convert to bunks. Visitors were not permitted to look at the cockpit area. It was sealed off.

ALTHOUGH THE 1958 MILITARY PAY ACT has been and will continue to be "helpful" in solving Armed Forces personnel problems, General Curtis E. LeMay told the Senate Armed Services Committee, "something more" may have to be done later on to assure "a better job."

THE "SOMETHING MORE" could be implementation of the officer responsibility pay authorized by the '58 Act but never used. Senator John C. Stennis (D-Miss.), who fostered the plan, had to leave the hearing before General LeMay's appearance and thus missed an opportunity to explore the issue. However, before the "White Charger" hearings end, it's a good bet that he will ask what has happened to the responsibility pay plan.

WHAT HAS HAPPENED can be reported in two words. Very little. The Pentagon launched a new study of the special pay late in March to see how and if it could be fitted into the present structure. Subsequent inquiries about the status of the study indicate little if any progress.

STRICTLY ON GROUNDS OF POLICY, RATHER THAN SECURITY, the Pentagon has been withholding clearance for a boldly prepared book by General Thomas S. Power, SAC CinC. The book parallels recent Congressional testimony in which he urged more effective utilization of strategic warfare resources.

GENERAL POWER BELIEVES and so states in his book that since SAC has the responsibility for strategic warfare, it follows that it should have authority to control all major strategic weapons, among them Polaris submarines. He feels that at least the SAC CinC should be able to count on the Polaris submarines to be committed to certain fixed targets and that the location and operations of these strategic weapons be coordinated at all times with SAC headquarters. The alternative to this, General Power contends, is the necessity for SAC, in carrying out its mission, to be capable of handling all the strategic targets. In short, the SAC boss holds that unless "unified control" is provided, (1) maximum effectiveness from available weapons is impossible; and (2) costly duplication of effort is inevitable.

ALSO ON THE BOOK FRONT, General Maxwell D. Taylor will publish his views on national military strategy and requirements soon after he leaves active duty as Army CofS next week. Much material for the volume has been assembled. A preview of General Taylor's book was given during his masterful budget testimony, reported extensively in The Journal.

GENERAL TAYLOR AND GENERAL POWER are in agreement that fundamental changes in the formulation and execution of military strategy and financing are essential. As to particulars, they are poles apart. The Army CofS warns, for example, against the danger of an "over kill" in strategic forces and argues for more budget support for limited warfare forces. The SAC CinC takes the position that increased strategic striking power is essential to maintain a proper deterrent and thereby assure that there will be no wars—limited or otherwise.

THE ARMY AND AIR FORCE ASSOCIATIONS this Summer will provide provocative forums for discussion of roles and missions and weapons research, development, and deployment, notably in the missile-space field. The AUSA meets in Washington, D. C., from 3 to 5 August, and the AFA in Miami in September.

A NEW PLEA FOR SINGLE SERVICE ACTION can be expected at the AFA convention. It remains to be seen, however, how far reaching the final draft of the resolution on this subject will be. Some AFA members will advocate an all-out position in support of a single Service. Others will oppose such a radical move. There is no question that the AFA unanimously will call for elimination of duplication in R&D programs and tightened central control of strategic warfare weapons.

THE FRENCH ARMED FORCES have worked out a neat compromise on the problem of which service should man air defense missiles. The first French Nike battalion will have three batteries manned by the Army, and one battery of Air Force people. Operational control will be under the Air Force. In the German Armed Forces, the Nike battalions will be manned by the Air Force.

QUESTIONED ABOUT THE VULNERABILITY of the Navy's giant supercarriers during Senate Military Appropriations Subcommittee hearings, Admiral Arleigh A. Burke demonstrated his fighting trim with a hard-hitting defense of the flattops. He told about tests conducted by the U. S. Navy and the British, off Malta. Even though the U. S. fleet was restricted to a specific area for the purposes of the exercise, he said, the RAF searched long and fruitlessly (even making low-level visual efforts to find a carrier) and finally had to give up.

SENATOR HENRY C. DWORSHAK (R-Idaho), who asked all of the "anti-carrier" questions, also probed the vulnerability of the Forrestal-class ships to submarine attack. Admiral Burke declared with ringing zeal that enemy submarines will "get some carriers, but we will get a helluva lot of their submarines, too." At the conclusion of the CNO's spirited answers to the carrier questions, Chairman Dennis Chavez (D-N.M.) said he thought Burke had "recruited a Senator."

DURING THE CNO'S TESTIMONY, the Navy was well represented in the hearing room. Present were 13 admirals, 11 captains, four commanders and one lieutenant. A Navy enlisted man, who didn't appear to be part of the official coterie, wandered in to sit through part of the testimony. Only three officers, including Admiral Burke, were called to testify.

24 YEARS IS TOO LONG to wait for promotion to Captain in the Navy. VAdm. H. P. Smith, Chief of Naval Personnel, told the Stennis Senate Armed Services Committee that the "norm" contemplated by the Officer Personnel Act (which the Navy has not yet achieved) would bring officers into the promotion zone at a time when they would be "a bit too senior." As the Navy approaches the OPA norms—which it is expected to do as the "hump" is eliminated—commanders should come into the promotion zone in their 22d or 23d year, he said.

A GOLD CUMMERBUND for wear with the Dinner Dress Blue Jacket Uniform soon will be prescribed for all ranks of Naval officers. The gold waist-band replaces the black cummerbund. The item, made of a metalized fabric, will cost about \$4. The colorful uniform accessory will be available at the Naval Uniform Shop and at commercial outlets in time for wear this Fall when the semi-formal garb will again be in fashion. A formal change to Naval Uniform Regulations is in preparation.

THE MARINE CORPS HAS TEMPORARILY abandoned its request to Congress for authority to create a Leatherneck JAG Corps. Headquarters is hopeful that the officer-lawyer shortage can be solved administratively. Under the newly established plan (The Journal, 20 June, page 17), HQMC officials are seeking integrations of lawyer Reservists and agreement on the part of many of the 91 Regulars to serve in legal billets full-time. Goal is a combined force of 128 lawyers by the end of the year. The trend should be apparent this Fall. If the build-up of Regular-Reserve lawyer force falls too far short of the manpower target, Headquarters may be forced to press for remedial action from the Hill.

AIR FORCE WARRANT OFFICERS, like their Navy counterparts, can be expected to just fade away. A story telling of the Navy's plan to phase out its warrant structure appeared in The Journal, 20 June, page 17. AF personnel planners have been weighing the fate of warrants for some time and plan to make their decision known in a week or two. During the time the personnel administrators have been in conference, a temporary suspension of warrant appointments has been in effect. This fact gives a clue to the resolution to be expected. The temporary freeze on procurement leads to the conclusion that the next step may be to abolish the warrant set-up by attrition.

SAC'S 15TH AF NCO ACADEMY at March AFB, Calif., will go Co-educational. Co-eds will be 24 WAF master and technical sergeants from the Strategic Air Command's installations throughout the United States who have been ordered to the school as students of Class 59-E which begins 6 July. Traditionally an all-male institution, the 15th AF NCO Academy has changed its policy to enable the WAF to attend. The comparatively small number of WAF sergeants in SAC has made it impractical to open an academy especially for them.

DEPARTMENT OF DEFENSE

The Hon. Dwight D. Eisenhower, Commander in Chief of the Armed Forces
Military Liaison Officer—Brig. Gen. Andrew J. Goodpaster, USA

Military Aide—Col. Robert L. Schulz, USA
Naval Aide—Capt. Evan P. Aurand, USN
Air Force Aide—Col. Wm. G. Draper, USAF

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Floyd S. Bryant (Properties & Installations)

Dr. Frank B. Berry (Health & Medical)

Murray Snyder (Public Affairs)

General Counsel—Robert Dechert

Chairman of the Joint Chiefs of Staff—General Nathan F. Twining, USAF

Army Orders

From page 7—

Napier, James W. 3d, Dahlonga, Ga, to 416th Sig Avn Co, Ft Huachuca.

Lomax, Robert, Jr, Ft Jackson, to USARAL.

To Korea

Schofield, David G, Ft Devens.

Hower, Kendal G, Ft Hood.

Canady, Robert G, Ft Knox.

Walls, Neal H, Ft Carson.

Kramer, Ronald T, Ft Lewis.

Parsons, Ralph W, Ft Knox.

Schoeneck, Thomas J, Ft Bragg.

Thompson, David N, Ft Benning.

To Hawaii

Larimer, Charles L, Ft Benning.

Massey, John P, Ft Jackson.

To Germany

Latham, Bobby R, Ft Rucker.

Kirk, John H, Ft Lewis.

McDermott, William L, Ft Lewis.

2d Lieutenant

Smith, Donald C, Ft Chaffee, to Hawaii.

Gordy, Terry L, Ft Hood, to 101st Abn Div, Ft Campbell.

Jogoe, Marcellus H, Ft Carson, to 2d Inf Div, Ft Benning.

McIntyre, Stephen, Ft Bragg, to 101st Abn Div, Ft Campbell.

From Ft Benning to Station Indicated

Tapley, George M, 1st BG 10th Inf, Ft Ord.

Lindstedt, Roy E, 1st Inf Div, Ft Riley.

Peterson, Ronald N, 416th Sig Avn Co, Ft Huachuca.

Robinson, Charles A, 2d Inf Bde, Ft Benning.

To Control Hq USA, Ft Ord

From Ft Benning:

Little, James G Sharpe, Richard W

Tobita, Clarence A

To 2d Armd Div, Ft Hood

Renfro, Ronald D, Cp Gary.

From Ft Benning:

Hager, Barry E Partin, Billy W

Harrell, Robt F, Jr Thornton, William E

McGovern, Joseph P Carte, Dale W

Miller, Donald W Gordon, Jackson J

To USATC Engr, Ft Leonard Wood

From Ft Benning:

Mitchell, G R, Jr Wilde, Thos M

Mitchell, Thos P Plain, Robt E

Rebe, Salomon Benach, Ronald G

From Cp Gary to Station Indicated

Bates, James D, 101st Abn Div, Ft Campbell.

Coleman, Bestor W, 3d, 4th Inf Div, Ft Lewis.

David, Ronald C, CCA 1st Armd Div, Ft Hood.

Fetters, Allan R, 1st Inf Div, Ft Riley.

Fidler, Philip R, USATC Inf, Ft Jackson.

Harvey, Henry L, Jr, 82d Abn Div, Ft Bragg.

Hubbard, James R, 416th Sig Avn Co, Ft Huachuca.

Imert, George G, 1st Inf Div, Ft Riley.

Lamunyon, Emery R, Jr, 414th Sig Avn Co, Ft Huachuca.

Swanson, Charles D, Ft Dix.

Trower, Harlan S, 2d, Ft Benning.

To Hq 2d Bn Cmbt Team, Keflavik, Iceland

Egenmaier, Ralph G, Ft Hood.

Hart, Roxie R, Ft Knox.

To Korea

Hood, Robert E (AI), Ft Hood.

Cortez, Alvino, Ft Knox.

Hicks, Arthur J, Jr, Ft Benning.

Key, Alan M, Ft Jackson.

Kuhn, Jay C, Ft Ord.

Ordaz, Fernando E, Ft Knox.

ARMOR—

Lt Colonel

Fogarty, Joseph C, Ft Polk, to Hq Fourth USA, Ft Sam Houston.

Billard, Jules F, Ft Knox, to Germany.

Major

Sutherland, Warren F, Jr, Atlanta, Ga, to CC A 1st Armd Div, Ft Hood.

Reid, Marion M, Bedford, Ind, to Co C Stu Det USALS, Presidio of Monterey.

Hajak, James W, South Orange, NJ, to USA Elm MAAG, Vietnam, Saigon.

Priest, Norman F, Ft Polk, to France.

Hymers, Charles S, Ft Knox, to Korea.

To Germany

Tracy, Donald, Chicago.

Cunningham, Charles J, New Brunswick, NJ.

Engel, Andrew H, Ft Knox.

Harrold, Donald W, Ft Meade.

McCord, Elmer C, Jr, Ft Hood.

Owens, Judson E, Jr, Ft Hood.

Smalley, Jack R, Ft Lewis.

Wolfe, Hiram M, 3d, Ft Hood.

Wells, Edward S, Ft Slocum.

Mason, Walter F, Ft Hood.

—Continued on page 24

Army Supply In Alaska

Col. Victor A. Ishoy has arrived in Alaska to assume command of the U. S. Army Supply and Maintenance Center, Alaska, at Fort Richardson.

Formerly assigned with the Military Clothing and Textile Supply Agency at Philadelphia, Pennsylvania, Quartermaster Depot, Colonel Ishoy was welcomed to his new post by Lt. Col. Arthur E. Holt, deputy USASMCA commander.

Colonel Ishoy was accompanied to Alaska by his wife, Lila, and their five children.

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Air University Will Reorganize 1 July; Colleges To Drop "Air" Designations

In the first major reorganization of Air University since 1954, this center of Air Force professional education with headquarters at Maxwell AFB, Ala., will streamline its organizational structure 1 July.

Main change as a result of the reorganization will be elimination of one intermediate headquarters, Air Command and Staff College. The growth of student enrollment in the college's schools has made it more practical for these schools to report directly to Air University headquarters.

There will be no loss of personnel from the change; personnel and functions of the deactivated headquarters will be diverted to Air University headquarters and other units and employed in direct support of the academic mission.

Command and Staff School, now part of Air Command and Staff College, will be known as Command and Staff College.

Air War College will drop the word "Air" and be known as War College.

Air Force Institute of Technology, Wright-Patterson AFB, Ohio, will shorten its name to Institute of Technology.

Academic Instructor School will be the new name of the Academic Instructor and Special Courses.

Air Warfare Systems Courses will be redesignated Warfare Systems School.

Administration of personnel and logistical support of school units at Maxwell AFB will be handled by a new unit, the 3851st Support Group, which will accomplish administrative functions now being carried out by the various schools.

Lt. Gen. Walter E. Todd is Air University commander. The command's principal units and officers who head them are:

War College, Maj. Gen. Richard H. Carmichael, commandant; Command and Staff College, Brig. Gen. Frederick E. Calhoun, commandant; Squadron Officer School, Col. Robert J. Loughry, commandant; Academic Instructor School, Col. Robert A. Woods, commandant; Warfare Systems School, Col. Charles C. Simpson, Jr., commandant; School of Aviation Medicine, Maj. Gen. Otis O. Benson, Jr., commandant.

Institute of Technology, Brig. Gen. Cecil E. Combs, commandant; Air Force ROTC, Brig. Gen. William J. Bell, commandant; Research Studies Institute, Brig. Gen. William J. Clinch, director; Extension Course Institute, Col. Paul T. Tempske, commandant; Air University Library, Mr. Robert W. Severance, director; 3800th Air Base Wing, Col. Clyde C. Harris, Jr., commander; 3894th School Group, Col. Samuel S. Riddle, Jr., commander; and 3851st Support Group, Lt. Col. Walter T. Steves, commander.

AF MACHINE CAN READ

The Air Force has developed a machine designed to read typewritten pages and translate them into electrical signals at the rate of 200 characters a second.

The machine was developed for the Air Research and Development Command by the Intelligent Machines Research Division of the Farrington Manufacturing Company, Arlington, Va.

While other machines have already been used to translate, index, abstract, and retrieve information, the original data had always been entered manually by keyboard operators. The new machine, reading directly from the typewritten page, eliminates the manual keyboard operation, ARDC says.

President Names USNA Grads

President Eisenhower has nominated three additional Naval Academy graduates for appointment as ensigns in the Navy. They are:

Richard L. Buxton
Ronald J. Doyle
Gilford G. Rowland, Jr.

Continue Rail Cut For Servicemen

A 40 per cent reduction in rail fare for U. S. Armed Forces personnel to any point in the United States will continue for another year.

A. J. Winkler, chairman of the Trunk-Line-Central Passenger Committee, said that coach fares of as low as 2.178 cents a mile to servicemen and servicewomen traveling on furlough or other pass papers would be continued beyond their present expiration date of 30 June.

Servicemen may purchase the special tickets to all destinations in the United States, Mr. Winkler said, as long as they

present at railroad ticket offices properly executed leave-of-absence, furlough or other pass papers. The tickets carry full stopover and baggage-checking privileges.

Maj. Morris Staff JA

Maj. Donald C. Morris has reported to Suffolk County AFB, N. Y., to join the 52d Fighter Group as the Staff Judge Advocate. He reports from Loring AFB, Me., where he was the Assistant Staff Judge Advocate for three years.

Major Morris is married to the former Gillian A. Morris of Falmouth, Mass., and they have three children: Karin, 12, Donald C. A., 7, and Holly, 4. They are temporarily residing on the base.

Flying brains need



Shift Commands In 15th Air Force

Maj. Gen. Archie J. Old, jr., Commander Fifteenth Air Force has announced a group of senior officer changes including the assignment of Col. Thomas G. Nether as commander of the 320th Bombardment Wing March AFB in place of Col. David I. Liebman who is being transferred to the Directorate of Plans, Headquarters Strategic Air Command.

Other changes announced are: Col. Max W. Rogers from Deputy Commander for Maintenance at the 9th Bomb Wing, Mt. Home AFB, Ida., to Deputy Commander for Operations 320th Bomb

Wing; Col. Harold W. Ohlks from Commander 802d Air Division at Schilling AFB, Kans., to Commander of the 18th Air Division, Fairchild AFB, Washington; Col. George Y. Jumper from Commander 40th Bomb Wing, Schilling AFB to Commander, 802d Air Division, Schilling; Col. Woodward B. Carpenter from Vice Commander, 40th Bomb Wing to Commander of the 40th Bomb Wing.

All assignments effective immediately.

Name USAFA Professors

The President has nominated Colonels Christopher H. Munch and James V. G. Wilson for appointment as permanent professors of the U. S. Air Force Academy.

27 June 1959 (Vol. 96, P. 1309)

Army Navy Air Force Journal 17

President Names Five To Top Commands; USAFE, TAC And 6th Fleet Change Hands

President Eisenhower has approved shifts in four top Air Force posts and two major Naval commands.

The President on 23 June nominated Lt. Gen. Frederick H. Smith, jr., USAF, for four-star rank to succeed General Frank F. Everest as Commander-in-Chief, U. S. Air Force, Europe, and Commander, 4th Allied Tactical Air Force.

General Everest, who had served in the European Command since July 1957, will



Gen. Everest

Lt. Gen. Smith

become Tactical Air Commander, Langley AFB, Va., upon the retirement of General Otto P. Weyland on 31 July. The President nominated General Weyland for four-star rank on the retired list.

General Smith currently is serving as Air Training Commander, Randolph AFB, Tex. He will be succeeded by Maj. Gen. James E. Briggs, Superintendent of the U. S. Air Force Academy. General Briggs was nominated for promotion to Lieutenant General.

Maj. Gen. William S. Stone, Commander, Eastern Transport Air Force, MATS, McGuire AFB, N. J. since its establishment, will succeed Maj. Gen. Briggs as USAFA Superintendent, Colorado Springs, Colo.

The President also nominated RADM. George W. Anderson, jr., Commander, Carrier Division Six, for three-star rank and command of the Sixth U. S. Fleet. He succeeds VADM. Clarence E. Ekstrom who will become Commander, Naval Air Force, Pacific Fleet, succeeding VADM. Alfred M. Pride.

Admiral Pride was nominated by the President for three-star rank on the retired list.

The President named General Earle E. Partridge, Commander-in-Chief, North American Air Defense Command, for four-star rank on the retired list. His successor, General Laurence S. Kuter, had been named earlier.



Gen. Briggs

VADM. Anderson

Three TAC Guard Squadrons Honored

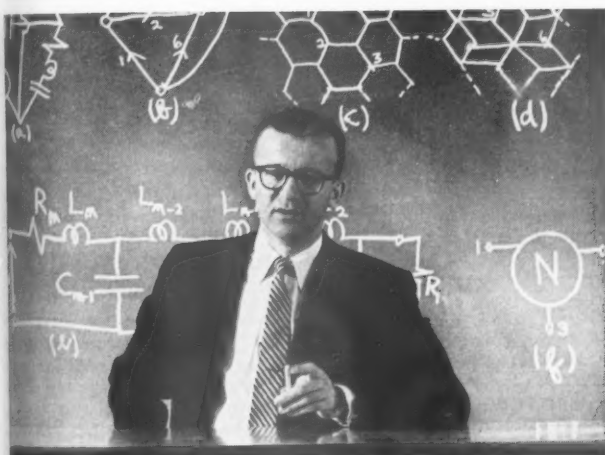
Three Air National Guard Squadrons having mobilization assignments to Tactical Air Command, have been named to receive aviation awards.

By earning 950 out of a possible 1,000 points on a comprehensive evaluation of its combat readiness, the 115th Tactical Fighter Squadron, Van Nuys, Calif., will be awarded the Spaatz Trophy and the Air Force Association's Outstanding Unit Trophy as the Air Guard's top tactical flying unit for 1958. The squadron is commanded by Maj. Charles L. Nelson, jr.

A silver plaque for second place in the Spaatz Trophy competition will be awarded the 153d Tactical Reconnaissance Squadron of Meridian, Miss., led by Maj. James L. Bounds.

Third place, and a bronze plaque, goes to the 166th Tactical Fighter Squadron, Columbus, Ohio, commanded by Maj. Paul E. Hoover.

clear heads



NETWORK SYNTHESIS is one of the many areas of study at Hughes Research and Development Laboratories. This work includes lumped and distributive parameter systems, both passive and active.



TESTING THE TESTERS—At Hughes Advanced Electronics Manufacturing Division, test equipment designed and built for Hughes Weapons Systems is often as sophisticated as the systems themselves!

The West's leader in advanced ELECTRONICS

HUGHES

© 1959, HUGHES AIRCRAFT COMPANY

HUGHES AIRCRAFT COMPANY
Culver City, El Segundo, Fullerton,
Newport Beach and Los Angeles, California;
Tucson, Arizona

...and keeping them "thinking" clearly is the job of the Hughes Field Engineer. Invariably you'll find him in the company of top armed services and aircraft manufacturer's personnel. As in the photo at far left, his laboratory is in the field, evaluating a highly advanced Hughes Electronic Weapons System.

Drawing on a firm base of training in the total system, he judges and evaluates its performance. One of his key jobs is suggesting basic modifications. Simultaneously, he maintains close liaison with Hughes manufacturing groups to insure the highest standards of reliability.

The Hughes Field Engineer is typical of engineers and scientists throughout the Hughes organization. With them all, reliability is a touchstone to judge the value of every project.

It's so at Hughes Ground Systems Division, for example, where engineers and scientists are now exploiting a major breakthrough—3-D radar...a new development that is probably one of the most significant progress steps since radar itself was discovered.

And it's so at Hughes Products, where advanced work is being done on a variety of automatic control systems, microwave tubes and new semiconductor devices.

In every Hughes activity you will find reliability is of prime importance. Hughes has delivered over \$2 billion in electronics systems and components...all built to assure maximum usefulness under even the most severe operating conditions. Their reliable performance is a prime reason for Hughes' status as one of the world's largest producers of advanced electronics.

Procurement Directory

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help solving military procurement problems.

CLASSIFICATION

Army Quartermaster, Naval, and Air Force General Supplies, Food, Fuel, Clothing, Packaging & Shipping Materials, Recreational Equipment, etc. Page 18
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**Army Quartermaster,
Naval and Air Force
General Supplies, Food,
Fuel, Clothing, Packaging
and Shipping Materials,
Recreational Equipment,
Etc.**

Laundry Presses, Dry Cleaning Presses; Cabinet Shirt Finishing Presses; Conforming to Federal and Military Specifications.

AJAX PRESSING MACHINE CO.
619 So. 5th West
Salt Lake City, Utah

JON-E Hand Warmers; JON-E (Heated) Muff; JON-E (Heated) Body Belt; JON-E Fluid. Jon-e products give heat without flame . . . keep Servicemen WARM in the coldest weather. Write for details.

ALADDIN LABORATORIES, INC.
620 So. 8th Street
Minneapolis, Minnesota

Needles—Hand, Machine; Scissors and Shears; Thimbles; Tracing Wheels; Wire Coils—All Classification.

AMERICAN BRITISH NEEDLE CO.
160 E. Third Street
Mt. Vernon, New York

Active Oxygen Compounds: Hydrogen Peroxide—35% to 98%; Perborate; Persulfates; Solid Peroxides.

BECCO CHEMICAL DIVISION
Food Machinery & Chemical Corporation
Station B
Buffalo 7, N. Y.

WHIZ and Complete Line 5c & 10c bar goods; Seasonal Specialty Items; Bag Taffy Caramels; Vacuum Tins Exclusive Kathryn Beich Candies—Golden Crumbles—Butter Toffee—Katydid's—Almonds n' Chocolate.

PAUL F. BEICH COMPANY
Foot of West Front
Bloomington, Illinois

Coat; suit; dress; skirt and trouser hangers.

BEVERLY COAT HANGER CO.
500 Indiana Street
San Francisco 7, Cal.

STEEL DRUMS—Bung Type—Removable Head—Rebuilt.

BINDER COOPERAGE CO., INC.
Water & Dickinson Sts.
Philadelphia 47, Pa.

Fuel Filtration Equipment; **AVGAS & Jet Fuel Filters & Water Separators; Air/Line Filtration Equipment; Lubricating Oil Filtration Equipment; Hydraulic Oil Filtration Equipment.**

THE BRIGGS FILTRATION CO.
River Road
Washington 16, D. C.

Rubber or Vinyl Commercial and Household Matting, Premium Quality Link Mats.

THE BUXBAUM COMPANY
Canton 1, Ohio

Oil Cans; Funnels; Garden Hose Hand Sprinkler; Clip-On Belt Canteen; Refrigerator and Picnic Liquid Container.

C. F. J. Mfg. Co., Inc.
62 Water St.
New Brunswick, N. J.

CONDUCTOMETER®, Wall Ohmmeter; **CONDUCTOMETER**, Portable Ohmmeter; **CHACO®** Conductive Footwear; Conductive Footwear; Conductive Rubber Sheeting.

CONDUCTIVE HOSPITAL ACCESSORIES CORP.
82 West Dedham Street
Boston 18, Mass.

Food Handling Equipment; Pastry Cabinets, Stacking and Mobile Types—Mobile Delivery and Storage Cabinets—Truck Dollies—Food Conveyors—Mobile Racks—Drying and cooling racks—Mobile shelves—Cabinets Proof, Hot, Cold, Refrigerated, Insulated—Material Storage and Handling Equipment.

CRESCENT METAL PRODUCTS, INC.
Main Office—18901 St. Clair Avenue
Cleveland 10, Ohio

New all purpose propane powered portable "DEVCO" heater—Broiler—Stove for cookouts, boats, picnics; Sportsmen, emergencies, etc. "Write for details."

DEVONAIR PROD. DIV. OF OXY-CATALYST, INC.
P. O. Box 151
Wayne, Pa.

Floor brick; Floor plates; Floor drains; Joint Cement—Portland cement base; Joint Cement—Resinous.

DREHMANN PAVING & FLOORING CO.
GAUL & TIOGA STS. 40 CHURCH ST.
PHILADELPHIA 34, PA. MONTCLAIR, N. J.
CANDLER BLDG.
ATLANTA GA.

Ladies' Electric Shavers; Razor Blades.

EXCEL AUTOMATIC PRODUCTS, INC.
57-59 12th Avenue
Newark 3, N. J.

SUB-CONTRACTORS—YARNS for Govt. Gloves, Socks, Underwear, Outerwear.

FALLS YARN MILLS, INC.
48 South Main Street
Woonsocket, Rhode Island

Package Laundry Starch; Regular White Faultless Starch; Blue & Perfumed Faultless Starch. Case Sizes, Both Kinds—12/36 oz. 36/12 oz. 72/6 oz.

FAULTLESS STARCH COMPANY
1025 West 8th Street
Kansas City 1, Missouri

Folding Banquet Tables; Adjustable Height Banquet Tables; Portable Partitions (Chalkboard); Dining Tables; Table & Chair Trucks.

FOLDCRAFT
412 "K" Street
Mendota, Minnesota

Toothpicks; Clothespins; Party Packs; Ice Cream Sticks; Ice Cream Spoons.

FORSTER MFG. CO., INC.
79 Main Street
Farmington, Maine

Complete printing plate service; Creative and finished art; Negatives & positives; Offset, photo-engraving and electrotype printing plates.

FORT WAYNE ENGRAVING CO.
120 W. Superior St.
Ft. Wayne, Indiana

PUMPS—Self Priming Centrifugal & Centrifugal, all types power drive, for Fueling, Dewatering, Jetting, Diaphragm, High Pressure, Special Purpose, Experimental and Development.

GORMAN-RUPP COMPANY
305 Bowman Street
Mansfield, Ohio

Food Ration Breakdown Calculator; Preservation Indicator; Aircraft Gas Turbine Correction Rule; Shipper's Cubic Content Calculator; Special Scales.

GRAPHIC CALCULATOR CO.
633 Plymouth Court
Chicago 5, Illinois

Bedroom Furniture—Wooden; Living Room Furniture; Dining Room Furniture; Desks; Upholstered Furniture.

GRAVELY FURNITURE COMPANY
Martinsville, Virginia

BULK PACKAGES designed for domestic or overseas shipments—Fibre Drums, Light Gauge Steel Drums, Wood Barrels, Plywood Drums, Corrugated Boxes and Carboys—to specifications. Plants in principal industrial areas.

THE GREIF BROS. COOPERAGE CORPORATION
Delaware, Ohio

9-in-1 Tool Kit (Screw-Driver, etc.); Cor. Clamps for making all Frames; Non-Splash Paint Mixer for Elec. Hand Drills; Home Repair Kit (Nails, screws, etc.).

THE GUNVER MFG. CO.
234 Hartford Road
Manchester, Conn.

Smithfield Hams, Bacon, Frankfurters, Sausages.

GWALTNEY INCORPORATED
P. O. Box 466
Smithfield, Virginia

BOOT & SHOE LACES, elastic and non-elastic; **DRAWSTRINGS**, hoods, parkas, sleeping bags, swim trunks; **CORD**, elastic and non-elastic, cotton, rayon.

HOPE WEBBING COMPANY
1005 Main Street
Pawtucket, R. I.

FIBERGLASS—LADDERS Industrial Ladder; straight and extension. Fire Ladder. Himco Step and Extension 4 in 1 Combination Ladder.

HIMCO HOFFELD INDUSTRIAL MANUFACTURING CO.
P. O. Box 54, San Rafael, Calif.

Stencil Machines; Gummed tape dispensers; Fountain brushes; Stencil inks; Felt tip markers.

IDEAL STENCIL MACHINE CO.
102 Iowa Ave.
Belleville, Ill.

Q R S Player Piano Rolls Send for listings of old favorites and current hits.

IMPERIAL INDUSTRIAL CO.
781 E. 136th St.
New York 54, N. Y.

Steel office cabinets; Book cases; Library Shelving; Open Face Filing Units; Contract stamping & fabricating.

JASIN MANUFACTURING CO.
US 31 at Michigan Ave.
South Haven, Michigan

Olympic swimming pool paint; Poxolon (Epoxy) pool paint; Rubberex rubber base paint; Convoy skid-proof enamel; Tuffey Expansion joint filler.

THE KELLEY PAINT CO.
1445 S. 15th St.
Louisville 10, Ky.

MATS AND MATTING—Rubber—Cocoa—Link.

KOFFLER SALES CORP.
4236 Lincoln Avenue
Chicago 18, Illinois

Rubber coated fabrics; Rubber sheeting; Laminated fabrics.

LLOYD MANUFACTURING CO., INC.
3661 West Shore Road
Warwick, Rhode Island

Spices; Extracts; Tea and Tea Bags—Coffee; Instant Mashed Potatoes; Condiments.

MCCORMICK & COMPANY, INC.
Baltimore 2, Maryland
and
San Francisco 7, Calif.

WOODEN WIREBOUND CONTAINERS for domestic and export shipments; Pallet Crates and Boxes; Nailed Boxes; Wood Pallets.

MAIN BROTHERS BOX & LBR. CORPORATION
Karnak, Illinois

Perfect Dice; Poker Chips; Game Supplies; Roulette Equipment; Club Room Furniture.

H. E. MASON CO.
831 S. Wabash
Chicago 5, Ill.

Pie Making Machines; Radiant Heat Meat Broilers; Pizza Pie Machines; Machines for the rolling of any Type of Doughs.

MAYFAIR PIE MACHINE CO., INC.
East Rutherford
New Jersey

A Complete Tag and Label Service. Stock and Printed-to-order. **MACO Tags—Shipping, Die Cut, Metal Rim, Carbon-Manifold . . . Plain, Strung, Wired. MACO Labels—Red Border, Notary Seals, File Folder . . . Gummed & Pressure-Sensitive.** Write For Catalog.

MAY TAG & LABEL CORP.
Manufacturers Since 1916
111 W. 19th St., New York 11, N. Y.
Watkins 9-0357

Burned Lime Products; Chemical Pebble Lime; Chemical Hydrate Lime; Agricultural Hydrate Lime.

MERCER LIME AND STONE CO.
Branchton, Penna.

Folding Mess Tables; Folding Benches; Folding Tennis Tables; Heavy Duty Portable Tennis Tables; Folding Stage Units.

METWOOD MFG. CO., INC.
Spruce Street
Hanover, Penna.

Printers Hard foundry Type; Printers Quads and Spaces; Printing Presses; Paper Cutters; Printing Supplies; Free Catalogue upon request.

MISSOURI CENTRAL TYPE FOUNDRY
703-711 E. Murdock
P. O. Box 2066
Wichita 1, Kansas

Sign Blanks; Traffic Signs; Road & Highway Signs; Painted & Porcelain Signs; Street Name Signs.

MUNICIPAL STREET SIGNS
College Point 56, L. I., N. Y.

Army Quartermaster, Naval and Air Force General Supplies, Food, Fuel Clothing, Recreational Equipment Etc.
(Continued)

Grinding and Finishing Wheels: VALCORE Air-inflated, including CROWNED Abrasive Wheels; FLEXCORE Expanding Wheels, including FLEXCONES.

NU-MATIC GRINDERS, INC.
8224 Carnegie Ave.
Cleveland 3, Ohio

Electric Motion Displays for Recruiting and promotions for all branches of the Service.

THE OHIO ADVERTISING DISPLAY COMPANY
950 Kenyon Avenue
Cincinnati 3, Ohio

Gift Boxes: Folding and Set-Up; Bakery Boxes: Folding; Shipping Containers: Corrugated; Stock Sizes: Available Immediately; Special Sizes: Quoted on Request.

OLD DOMINION BOX COMPANY, INC.
(R & S Division)
Charlotte 1, North Carolina

Packless flexible metal hose and fittings in Bronze, Stainless and Carbon Steel, sizes 1/4" through 6" I.D. All types for all applications.

PACKLESS METAL HOSE, INC.
730-50 S. Columbus Ave.
Mount Vernon, New York

Popcorn: Blue Grass; Lawn Grass; Native Grasses; Field Seeds.

PEPPARD SEEDS, INC.
1101-1135 W. 8th St.
Kansas City 1, Missouri

COLLAPSIBLE CUPS—Plastic, with Service Insignia stamped on covers. COASTERS with Service Insignia hot stamped.

PLURA PLASTICS
17-21 Newark Way
Maplewood, N. J.

SERGEANT'S Dog Care Products; SERGEANT'S: Aerosol Flea and Tick Spray; Skip-Flea Soap; Worm-Away; Skip-Flea Scratch Powder (2 & 4 ounces); Skip-Flea Shampoo.

POLK-MILLER PRODUCTS CORP.
2007 North Hamilton St.
Richmond, Virginia

Playground Equipment; Swimming Pool Equipment; Indoor Basketball Backstops; TOWNSEND Aluminum Diving Boards; Picnic Tables.

RECREATION EQUIPMENT CO.
724 West Eighth Street
Dept. ANAF
Anderson, Indiana

Sioux Bee Extracted Honey; Sioux Bee Honey Spread; Sioux Bee Comb Honey.

SI'OUX HONEY ASSOCIATION
509 Plymouth St.
Sioux City 1, Iowa

Food Service Equipment; Cafeteria Equipment; Kitchen Equipment; Mobil Equipment; Supplies.

STAINLESS EQUIPMENT COMPANY
2829 South Santa Fe Drive
Englewood, Colorado

LP-Gas Service; all types & sizes of appliances for cooking, water heating, house heating, incineration, clothes drying; LP-Gas Motor Fuel Service.

SUBURBAN PROPANE GAS CORPORATION
Gas Service in 18 Eastern States
General Offices: Whippany, N. J.

Faucets for Dispensing Liquid Foods. Fittings for Coffee Urns. Liquid Level Gauges.

TOMLINSON NO-DRIP FAUCET CO.
1601 St. Clair Ave.
Cleveland 14, Ohio

Electric Hair Clippers; Electric Home Barber Kits; Massage Vibrators; Hair Dryers; Electric Shavers.

WAHL CLIPPER CORP.
2902 N. Locust St.
Sterling, Illinois

Observer's Book of Aircraft; Observer's Book of Ships; Observer's Book of Flags; Observer's Book of Automobiles; Observer's Book of Weather.

FREDERICK WARNE & CO.
210 Fifth Avenue
New York 10, N. Y.

Index Cards; File Folders; Card Guides; Vertical Guides; Cloth Reinforcements.

WARSHAW MFG. CO., INC.
1 Main St.
Brooklyn 1, N. Y.

4 Models Glass Washers: — Stainless Steel Ball Bearing; Sleeve Bearing Open Motor; For Bar and Fountain; and Baby Bottle Machine for Hospital and Laboratory Use.

WEBBER GLASS WASHER CO.
208 N. Trade St.
Winston-Salem, N. C.

Aluminum irrigation equipment; Electric cars; Permanent Mold Aluminum Foundry; Electric Small trucks; Electric Golf Carts.

WEBSTER CORPORATION
Box 467
Sebring, Florida

Dictionary — WEBSTER'S NEW WORLD. Dictionary of the American Language, College Edition.

THE WORLD PUBLISHING COMPANY
2231 W. 110th Street
Cleveland 2, Ohio

Cutters, Circle, Gasket Material Per Fed. Specification GGG-C-748a Type III, Styles A and B.

ZIMMERMAN PACKING
2768 Highland Ave.
Cincinnati 12, Ohio

Engineer Equipment and Construction Supplies

Eng. & Design of the following: Tools, Dies, Jigs, Special Equip. for Aircraft, Missiles, Ordnance, Nuclear controls.

AEROMOTIVE DESIGNERS, INC.
580 E. 200th St.
Cleveland 19, Ohio

Drawing Instruments & Scales; Stainless Steel Straightedges T-Squares & Triangles; Micro-Rules; 11 Pt. Spacing Dividers Protractors; Engraving.

THEO. ALTENEDER & SONS
1217 Spring Garden St.
Philadelphia 23, Pa.

Crushed Granite & Crushed Limestone for all purposes.

W. W. BOXLEY & COMPANY
Box 2459
Roanoke, Va.

Fuel Filtration Equipment; AVGAS & Jet Fuel Filters & Water Separators; Air/Line Filtration Equipment; Lubricating Oil Filtration Equipment; Hydraulic Oil Filtration Equipment.

THE BRIGGS FILTRATION CO.
River Road
Washington 16, D. C.

CONDUCTOMER®, Wall Ohmmeter; CHACO® Conductive Footwear; Conductive Rubber Sheeting; Conductive Flooring; Moisture Seal Resin.

CONDUCTIVE HOSPITAL ACCESSORIES CORP.
82 West Dedham Street
Boston 18, Mass.

Bending, Welding Pipe, ASME Code; Steel, Alloy & Aluminum Pipe; Pipe Fittings & Flanges; Valves—Gates, Globes, etc.; Prefabricated Piping.

CORNELL & UNDERHILL, INC.
1300 Jefferson St.
Hoboken, N. J.

27 June 1959 (Vol. 96, P. 1311)

Army Navy Air Force Journal 19

PROCUREMENT DIRECTORY

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Trade **AQUATONE** Mark
Reg. U. S. Pat. Off.

Swimming Pool Treatment—Removes & Prevents filter pollution contributing to a more sanitary pool.
See advertisement page 8.

CREATIVE CHEMICAL COMPANY
Pittsburgh 24, Pennsylvania

Radial Arm Saws of all sizes to Federal Specifications for cutting Wood, Plastic and Non-Ferrous Metals.

DeWALT DIVISION AMERICAN MACHINE & FOUNDRY CO.
Fountain Avenue
Lancaster, Penna.

Floor brick; Floor plates; Floor drains; Joint Cement—Portland cement base; Joint Cement—Resinous.

DREHMANN PAVING & FLOORING CO.
GAUL & TIOGA STS. 40 CHURCH ST.
PHILADELPHIA 34, PA. MONTCLAIR, N. J.
CANDLER BLDG.
ATLANTA GA.

Hydraulic Pumps; Hydraulic Valves; Hydraulic Cylinders; High Pressure Hydraulic Components; High Pressure Hydraulic Circuits.

DYNEX INC.
777 Dynex Drive
Pewaukee, Wisconsin

Conductive Flooring; Conductive Finishes; Sparkproof Flooring; Sparkproof Finishes; 3/8" Flexible Portland Cement Terrazzo Flooring.

FEDERAL FLOORING CORPORATION
82 West Dedham Street
Boston 18, Mass.

PUMPS—Self Priming Centrifugal & Centrifugal, all types power drive, for Fueling, Dewatering, Jetting, Diaphragm, High Pressure, Special Purpose, Experimental and Development.

GORMAN-RUPP COMPANY
305 Bowman Street
Mansfield, Ohio

Fab-Vent; Deluxe Fab-Vent; Plastic Ventilators; Bolt or Sew into Canvas, Nylon, etc. Prevents Condensation, Lowers Temperature.

JOHN HEMMAN MFG. CORP.
1545 W. Taylor St.
Chicago 7, Ill.

Continuous Blowdown Systems; Feed Water Regulators; Meters, Industrial Liquid Meters and Flow Indicators; Heat Exchangers.

HENSZEY COMPANY
197 Water Street
Watertown, Wisconsin

Boilers, small process steam — Boilers, gas fired, Boilers, oil fired, Boilers electric, Boiler feed systems.

P. M. LATTNER MFG. COMPANY
P. O. Box 1710
Cedar Rapids, Iowa

FLOODLIGHTS — L-P Gas only; Warning Lights (Flashing—Kerosene).

WM. W. LEE & SON
20 E. Jackson Blvd.
Chicago 4, Ill.

Tools for Coal Production; Crow and Lining Bars; Wrecking Bars; Post Hole Digging Bars; Picks and Sledges.

THE LEETONIA TOOL CO.
Main Street
Leetonia, Ohio

Hardwood Flooring; Pallets; Millwork; Lumber; Plywood.

LESTER LUMBER CO., INC.
242 Franklin St.
Martinsville, Virginia

"Partitioner" (movable steel and glass office partitions); "Desk Partitioner" (Partition which attaches to desk top); "Color Styled Partitioner Offices"; 4 hghts, 44 widths, 10 colors.

MARNAY SALES DIVISION ROCKAWAY METAL PRODUCTS CORP.
41 East 42nd St., New York 17, N. Y.
Murray Hill 2-0920

MISENER HOLE SAWS for Metals ... Wood ... Plastics. 5/8" to 15" Fractional Diameters. Hole Sizes. Pipe Sizes. Pipe Tap Sizes. SPEDEX—High Speed Blades for Metals. Wood Cutting Depths—1 1/4", 2", 2 1/2".

MISENER MFG. CO., INC.
202 Walton Street
Syracuse 2, N. Y.

Carbide tipped Cutting Tools for Woodworking, Plastics, Synthetics, Aluminum, and Non-Ferrous Metals.

NORTH AMERICAN PRODUCTS CORP.
707 Bartley, Box 291
Jasper, Indiana

PLASTICS extrusions—Custom engineered to your specifications—tubes, shapes, etc.

PERMA-PIPE CORP.
Box 525
Middlesboro, Ky.

Hand Saws; Power Tools; Circular Saws; Rules & Tapes; Files & Rasps.

DISSTON DIV. H. K. PORTER CO., INC.
Unruh & Milnor Sts.
Philadelphia 35, Pa.

PRECISION UNIVERSAL TOOL HEAD Adjustable while running! Bores, counterbores, faces, undercuts, turns trepans, recesses, backfaces, in Milling Machine, Jig Borer, Drill Press or Lathe. Adjustable to .0001" without stopping spindle.

THE PRECISION TOOL COMPANY, INC.
1001 El Dorado Drive, Clearwater, Fla.
or P. O. Box 155, Brooklyn 1, New York

Air operated pumps, pail & drum, and flow guns. Sealant Guns with Disposable plastic liners. Hydraulic Hose Assemblies. Shot Metering Machines. Mechanical metering, mixing & filling equipment.

PYLES INDUSTRIES, INC.
20855 Telegraph Road
Detroit 41, Michigan

Dayton-Safety Grinding Wheels; M I R R O - K E E N Paper Trimmer Knives; Shear Blades: Armor Plate; Woodworking Knives.

SIMONDS WORDEN WHITE CO.
1101 Negley Place
Dayton 7, Ohio

LP-Gas Service; Portable LP-Gas containers, tools and equipment; Gas Salamanders; LP-Gas Motor Fuel Service; Propane for prepared atmospheres and oxy-propane metal cutting.

SUBURBAN PROPANE GAS CORPORATION
Gas Service in 18 Eastern States
General Offices: Whippany, N. J.

Diazotype Reproduction Materials; Diazochrome Films; Transpaque Projectors; Hi-Q Diazoprocessor; Technifax Visulite.

TECNIFAX CORPORATION
195 Appleton St.
Holyoke, Mass.

Nestable Corrugated Metal Pipe; Highway Guard Rail; Structural-plate Bridge Flooring; Pre-fabricated Steel Buildings; Hollow Metal Doors and Frames.

UNITED STEEL FABRICATORS, INC.
Cor. High and Gasche
Wooster, Ohio

PROCUREMENT DIRECTORY

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Engineer Equipment and Construction Supplies (Continued)

Frost-proof Hydrants; Frost-proof Treadle Valves; Frost-proof and Non-frost proof Seat Action Closet Combinations.

JOSEPH A. VOGEL CO.
1203 Lombard St.
Wilmington 99, Del.

Draft Inducers; Draft Regulators, Chimney Caps; Aluminum & Brass Castings; Sheet Metal Stampings and Assemblies.

WALKER MFG. & SALES CORP.
1711 Penn Street
St. Joseph, Missouri

Warm Air Heating Equipment; Water Softeners; Complete Metal Fabricating and Finishing; Business Machine Frames and Cabinets; Air Handling Equipment.

THE WATERMAN WATERBURY CO.
1121 Jackson St., N.E.
Minneapolis 13, Minn.

Aluminum irrigation equipment; Electric cars; Permanent Mold Aluminum Foundry; Electric Small trucks; Electric Golf Carts.

WEBSTER CORPORATION
Box 467
Sebring, Florida

Ordnance, Weapons, Machinery, Automobiles, Trucks, Accessories and Supplies

Eng. & Design of the following: Tools, Dies, Jigs, Special Equip. for Aircraft, Missiles, Ordnance, Nuclear controls.

AEROMOTIVE DESIGNERS, INC.
580 E. 200th St.
Cleveland 19, Ohio

Hardwood lumber AD or KD; Truck & Trailer wood parts; Rough or completely machined; Dript or pressure treated with "Penta" WR paintable.

ANGELINA HARDWOOD SALES CO.
P. O. Box 1020
Lufkin, Texas

Active Oxygen Compounds: Hydrogen Peroxide—35% to 98%; Perborate; Persulfates; Solid Peroxides.

BECCO CHEMICAL DIVISION
Food Machinery & Chemical Corporation
Station B
Buffalo 7, N. Y.

Portable Battery Operated Lubricators — 25 Lb. Cap.; Portable Gasoline Driven Lubricators — 25 Lb. Cap.

BROWN-DYNALUBE CO., INC.
401 S. Gardner Ave.
Charlotte 1, N. C.

Ground support bulk cable; Ground support cable assemblies; Special purpose cable; Cable assemblies & Systems; Ribbon cables all types; Teflon magnet wire.

CABLE DESIGNS, INC.
66 Rushmore Street
Westbury, L. I., N. Y.

Time Clocks; Mfr. of Steel Card Racks and Time Cards; Time Stamps; Watchmen Clocks.

CENTRAL TIME CLOCK CO.
CH-2-7134
655 4th Ave.
New York 10, N. Y.

Universal Automatic Electrical Circuit Analyzers, Multiplier Sections and Functional Testers. Testing Capacity 80 to 2000 Circuits. Commercial and Military Models Carry Federal Stock Numbers.

DIT-MCO, INC.
911 Broadway
Kansas City 5, Missouri

Fellows Gear Shapers; Gear Shaving Machines; Fellows-Pfauter Hobbing Machines; Fellows-Reishauer Gear Grinder; Gear Inspection Instruments.

THE FELLOWS GEAR SHAPER CO.
78 River St.
Springfield, Vermont

Special Alloy Fabrication; Materials handling equip.; Materials processing equip.; Engineering for automation; Metal finishing.

C. O. FIEDLER, INC.
2221 E. 37th St.
Los Angeles 58, Calif.

PUMPS—Self Priming Centrifugal & Centrifugal, all types power drive, for Fueling, Dewatering, Jetting, Diaphragm, High Pressure, Special Purpose, Experimental and Development.

GORMAN-RUPP COMPANY
305 Bowman Street
Mansfield, Ohio

BULK PACKAGES designed for domestic or overseas shipments—Fibre Drums, Light Gauge Steel Drums, Wood Barrels, Plywood Drums, Corrugated Boxes and Carboys—to specifications. Plants in principal industrial areas.

THE GREIF BROS. COOPERAGE CORPORATION
Delaware, Ohio

Industrial plating of: Gunbarrels, weapon component, machine and vehicular pistons and crankshafts; Porous chromium plating of diesel cylinders. Research contracts.

HOL-CHROME ELECTROPLATING CORP.
Allegany, New York

Drill Jig and fixture bushings; Special design bushings — All kinds thread ground hardened parts; Trim dies and component parts.

THE JIG BUSHING CO.
454 No. Cass Ave.
Pontiac, Michigan

Automatic Radiator Shutters; Truck Cab Air Conditioners; Heavy duty Heaters truck; Engine Alarms—temperature & Pressure; Blowers & Fans—Vehicle.

KYSOR HEATER CO.
1100 W. Wright St.
Cadillac, Michigan

Turntables: — Compass Rose — Radar Testing — Vehicular — Industrial — Antenna Test Range.

MACTON MACHINERY CO. INC.
Stamford 11, Conn.
Davis 4-6161

Flash tube assemblies for ignition cartridges; Disc & Washer assemblies for flares & simulators; Non-metallic ammo. components.

THE MANUFACTURER'S GASKET CO.
1009 Belt Line Road
Cleveland 9, Ohio

Precision Machining; Tools and Fixtures; Special Machines; Plastic Molded Parts.

MASON, SHAVER & RHOADES, INC.
Stewartville Road
R. D. #5
Irwin, Pennsylvania

Green Streak; Tin-Kwik; Memeco stainless steel flux Nu-Blu.

METAL MENDING PROD. INC.
5530 W. Center St.
Milwaukee 10, Wis.

Packless flexible metal hose and fittings in Bronze, Stainless and Carbon Steel, sizes 1/4" through 6" I.D. All types for all applications.

PACKLESS METAL HOSE, INC.
730-50 S. Columbus Ave.
Mount Vernon, New York

PRECISION UNIVERSAL TOOL HEAD Adjustable while running! Bores, counterbores, faces, undercuts, turns trepans, recesses, backfaces, in Milling Machine, Jig Borer, Drill Press or Lathe. Adjustable to .0001" without stopping spindle.

THE PRECISION TOOL COMPANY, INC.
1001 El Dorado Drive, Clearwater, Fla.
or P. O. Box 155, Brooklyn 1, New York

Air operated pumps, pail & drum, and flow guns. Sealant Guns with Disposable plastic liners. Hydraulic Hose Assemblies. Shot Metering Machines. Mechanical metering, mixing & filling equipment.

PYLES INDUSTRIES, INC.
20855 Telegraph Road
Detroit 41, Michigan

Stainless Steel Fabrication; Aluminum Fabrication; Steel Fabrication; Ovens Electric & Gas; Conveyors.

SERVICE METAL FAB. INC.
2350 W. 58th St.
Chicago 36, Ill.

Dayton-Safety Grinding Wheels; MIRROR-KEEN Paper Trimmer Knives; Shear Blades; Armor Plate; Woodworking Knives.

SIMONDS WORDEN WHITE CO.
1101 Negley Place
Dayton 7, Ohio

METALLIZING WIRES for all ferrous and non-ferrous metals. Rigidly Specified for METAL SPRAYING.

SPRA ROD CORPORATION
2795 East 83rd St.
Cleveland, Ohio

Temperature Switches; Oil Pressure Switches; Engine Starting Switches; Oil Level Gauges; Oil Well Safety Switches. Complete protection for Engines Equipped with Single Magneto Ignition, Dual Magneto Ignition, Four Magneto Ignition, Battery Ignition, Battery and Magneto Ignition.

THE C. D. SPRACHER CORP.
6203 Clara Street
Bell Gardens, Calif.

LP-Gas Service; Portable LP-Gas containers, tools and equipment; Gas Salamanders; LP-Gas Motor Fuel Service; Propane for prepared atmospheres and oxy-propane metal cutting.

SUBURBAN PROPANE GAS CORPORATION
Gas Service in 18 Eastern States
General Offices: Whippany, N. J.

Flexible Push Pull Controls for Throttle—Choke—Brake, etc. Automatic Choke Conversion Kit. Pick Up Tool (Mechanical Fingers). Flexible Push Pull Marine Controls.

SUPERIOR SCREW & MFG. CO.
Commercial Road
Crystal Lake, Illinois

Herringbone Gear Generators; Vertical Gear Shapers; Gear Hobbing Machines; Gear Testing Equipment; Gear Hobs, Cutters and Shaving Tools.

SYKES MACHINE & GEAR CORP.
744 Broad St., Rm. 1810
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Microwave Antennas; Aircraft Antennas; Telemetry Antennas & Mounts; Ruggedized Yagi; Scatter Antennas.

TECHNICAL APPLIANCE CORPORATION
Sherburne, New York

Synthetic "O" Rings; Back-up Washers; Needle Bearings Seals; Precision lea. and synthetic packings; Oil Seals.

ALBERT TROSTEL PACKINGS, LTD.
Lake Geneva, Wis.

Inverted Vent Check Valves; Vent Terminal Valves; Periscope Smoke Indicator; Inspection Light & Port Scavenger Air Valve.

ROBERT H. WAGER CO.
423 Valley St.
South Orange, New Jersey

SAE, ABEC and ASA B3.9 BEARING LOCKNUTS AND LOCKWASHERS —QUALITY CONTROLLED.

WESLOK CORP.
178 W. Holt Ave.
Milwaukee 7, Wis.

Blast Cleaning Equipment; Shot Peening Equipment; Abrasive (Steel Shot and Grit); Dust Collecting Equipment.

WHEELABRATOR CORPORATION
650 S. Byrkit Street
Mishawaka, Indiana

Military Aviation— Air Force, Naval, Army, Marine Corps and Coast Guard

Aerial Mapping & Surveying; Flight Tests and Evaluation of Airborne Sensors; Radar Maps for Simulators; Air Photo Interpretation; Training Aids and Manuals; Mapping Instruments; Topographic Mapping.

AERO SERVICE CORPORATION
210 E. Courtland St.
Philadelphia 20, Pa.

Eng. & Design of the following: Tools, Dies, Jigs, Special Equip. for Aircraft, Missiles, Ordnance, Nuclear controls.

AEROMOTIVE DESIGNERS, INC.
580 E. 200th St.
Cleveland 19, Ohio

Fueling vehicles for AVGAS and JET FUEL including water separation (Serv-A-Jet). Jet Oil Servicing Units, Air Transportable Fueling Systems, Full Transfer Kits, Nitrogen Oxygen Rechargers.

BOWSER, INC.
Defense Department
1302 East Creighton Avenue
Fort Wayne, Indiana

Fuel Filtration Equipment; AVGAS & Jet Fuel Filters & Water Separators; Air/Line Filtration Equipment; Lubricating Oil Filtration Equipment; Hydraulic Oil Filtration Equipment.

THE BRIGGS FILTRATION CO.
River Road
Washington 16, D. C.

Portable Battery Operated Lubricators — 25 Lb. Cap.; Portable Gasoline Driven Lubricators — 25 Lb. Cap.

BROWN-DYNALUBE CO., INC.
401 S. Gardner Ave.
Charlotte 1, N. C.

Ground support bulk cable; Ground cable assemblies; Special purpose cable; Cable assemblies & Systems; Ribbon cables all types; Teflon magnet wire.

CABLE DESIGNS, INC.
66 Rushmore Street
Westbury, L. I., N. Y.

Hydraulic Accumulators; Hydraulic Actuators; Hydraulic Valves; Hydraulic Filters; Hydraulic Cylinders.

CLEVELAND HYDRAULIC COMPANY
5955 Richmond Road
Box 7105 Cranwood Station
Cleveland 28, Ohio

Industrial, Commercial, & Domestic Water Filters.

CRYSTAL WATER FILTER CO.
2231 N. 17th St.
Milwaukee 5, Wis.

Telephone Pole Line Construction Tools; Pike Poles, Tamping Bars, Reels, Wire Grips, Portable Warning Signs; Similar Items made to Specifications.

THE DICKE TOOL CO.
1291 Warren Ave.
Downers Grove, Ill.

Portable and fixed Hydraulic, Pneumatic & electronic test stands and power supplies. Fuel system test equipment. Variable speed drives. Ground support equipment.

FLIGHT SUPPORT, INC.
159 Forrest St.
Metuchen, New Jersey

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**Military Aviation—Air Force,
Naval, Army, Marine Corps and
Coast Guard
(Continued)**

**PUMPS—Self Priming Centrifugal &
Centrifugal, all types power drive, for
Fueling, Dewatering, Jetting, Dia-
phragm, High Pressure, Special Pur-
pose, Experimental and Development.**

GORMAN-RUPP COMPANY
305 Bowman Street
Mansfield, Ohio

**Industrial plating of: Aircraft strut
assemblies, components, and cylinders.
Porous Chromium plating of diesel
cylinders. Research contracts.**

HOL-CHROME ELECTROPLATING CORP.
Allegheny, New York

**CORD, Parachute Shroud Line;
CORD, Nylon Lacing (Waxed or
Unwaxed).**

HOPE WEBBING COMPANY
1005 Main Street
Pawtucket, R. I.

FIBERGLASS — LADDERS

**Industrial Ladder; straight and ex-
tension. Fire Ladder. Himco Step and
Extension 4 in 1 Combination Ladder.**

**HOPFELD INDUSTRIAL
MANUFACTURING CO.**
P. O. Box 54, San Rafael, Calif.

Scale Models

E. G. HOWLAND
609 Michigan Avenue
Troy, Ohio

**Drill Jig and fixture bushings; Special
design bushings — All kinds thread
ground hardened parts; Trim dies and
component parts.**

THE JIG BUSHING CO.
454 No. Cass Ave.
Pontiac, Michigan

**Sign Blanks; Traffic Signs; Road &
Highway Signs; Painted & Porcelain
Signs; Street Name Signs.**

MUNICIPAL STREET SIGNS
College Point 56, L. I., N. Y.

**Electric Motion Displays for Recruit-
ing and promotions for all branches of
the Service.**

**THE OHIO ADVERTISING DISPLAY
COMPANY**
950 Kenyon Avenue
Cincinnati 3, Ohio

**Research and Development in Photo-
graphic and Photogrammetric Instru-
mentation; Aerial Photography; Photo
Interpretation Manuals and Services.**

PHOTOGRAMMETRY, INC.
922 Burlington Dr.
Silver Spring, Md.

**Electronic Flowmeter, Electronic Ta-
chometer, Densimeter, Flow Switch;
Electronic Instrumentation.**

POTTER AERONAUTICAL CORP.
Route 22
Union, New Jersey

**Air operated pumps, pail & drum, and
flow guns. Sealant Guns with Dis-
posable plastic liners. Hydraulic Hose
Assemblies. Shot Metering Machines.
Mechanical metering, mixing & filling
equipment.**

PYLES INDUSTRIES, INC.
20855 Telegraph Road
Detroit 41, Michigan

**Thread and Gasket Sealing Com-
pounds: Product RS 2—Petroleum In-
soluble (Fast Dry-Soft Set); Product
RS 5—Petroleum Insoluble (Slow Dry-
Soft Set); Product RS 7—Alcohol-
Glycol Insoluble; Product RS 15—For
Oxygen Systems (Spec. MIL-T-
5542 B).**

**RECTOR WELL EQUIPMENT
COMPANY, INC.
RECTORSEAL DIVISION**
2215 Commerce Street
Houston 2, Texas

**Aviation Refueling Equipment; Ground
Support Equipment; Hydrant Carts;
Refueling Nozzles; Avgas and Jet
Fuel Refuelers.**

RENICK & MAHONEY, INC.
380 2nd Avenue
New York 10, New York

**Rigid Microwave Bends, Twists, Coils
and Assemblies to Your Prints.
SPECIALTY AUTOMATIC MACHINE
CORP.**

80 Cambridge Street
Burlington, Mass.

**Metal working machines — customer
designed and manufactured — routers
shim mills, hydraulic work holding
tables, etc. Inquiries invited.**

**STETSON-ROSSMACHINE
COMPANY INC.**
3200 First Ave. S.
Seattle 4, Washington

**LP-Gas Service; Portable LP-Gas con-
tainers, tools and equipment; Gas Sala-
manders; LP-Gas Motor Fuel Service;
Propane for prepared atmospheres and
oxy-propane metal cutting.**

**SUBURBAN PROPANE GAS
CORPORATION**
Gas Service in 18 Eastern States
General Offices: Whippany, N. J.

**Acid Pumps—Hand, Foot, and Motor
Operated.**

THOMPSON MFG. CO., INC.
152 West 12th St.
Erie, Pa.

**Synthetic "O" Rings; Back-up Wash-
ers; Needle Bearings Seals; Precision
lea, and synthetic packings; Oil Seals.**

ALBERT TROSTEL PACKINGS, LTD.
Lake Geneva, Wis.

**Blast Cleaning Equipment; Shot Peen-
ing Equipment; Abrasive (Steel Shot
and Grit); Dust Collecting Equipment.**

WHEELABRATOR CORPORATION
650 S. Byrkit Street
Mishawaka, Indiana

**Naval Stores and Misc.
Supplies For Navy Yards
and Stations**

**Laundry Presses, Dry Cleaning
Presses; Cabinet Shirt Finishing
Presses; Conforming to Federal and
Military Specifications.**

AJAX PRESSING MACHINE CO.
619 So. 5th West
Salt Lake City, Utah

**Carbon Packing Rings; Carbon Brushes
for Motors & Generators; Electro-
Mechanical Devices & components.**

CHAS. E. CHAPIN CO., INC.
253 Hackensack St.
East Rutherford, N. J.

**Floor brick; Floor plates; Floor drains;
Joint Cement—Portland cement base;
Joint Cement—Resinous.**

DREHMANN PAVING & FLOORING CO.
GAUL & TIOGA STS. 40 CHURCH ST.
PHILADELPHIA 34, PA. MONTCLAIR, N. J.
CANDLER BLDG.
ATLANTA GA.

**PUMPS—Self Priming Centrifugal &
Centrifugal, all types power drive, for
Fueling, Dewatering, Jetting, Dia-
phragm, High Pressure, Special Pur-
pose, Experimental and Development.**

GORMAN-RUPP COMPANY
305 Bowman Street
Mansfield, Ohio

**Drill Jig and fixture bushings; Special
design bushings — All kinds thread
ground hardened parts; Trim dies and
component parts.**

THE JIG BUSHING CO.
454 No. Cass Ave.
Pontiac, Michigan

27 June 1959 (Vol. 96, P. 1313)

Army Navy Air Force Journal 21

PROCUREMENT DIRECTORY

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Directory are able and eager
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services for National Defense.

Service purchasing officers
are respectfully urged to en-
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tary procurement problems.

**Spices; Extracts; Tea and Tea Bags—
Coffee; Instant Mashed Potatoes;
Condiments.**

MCCORMICK & COMPANY, INC.
Baltimore 2, Maryland
and
San Francisco 7, Calif.

**Folding Mess Tables; Folding
Benches; Folding Tennis Tables;
Heavy Duty Portable Tennis Tables;
Folding Stage Units.**

METWOOD MFG. CO., INC.
Spruce Street
Hanover, Penna.

**Sign Blanks; Traffic Signs; Road &
Highway Signs; Painted & Porcelain
Signs; Street Name Signs.**

MUNICIPAL STREET SIGNS
College Point 56, L. I., N. Y.

**Packless flexible metal hose and fit-
tings in Bronze, Stainless and Carbon
Steel, sizes 1/4" through 6" I.D. All
types for all applications.**

PACKLESS METAL HOSE, INC.
730-50 S. Columbus Ave.
Mount Vernon, New York

**SERGEANT'S Dog Care Products;
SERGEANT'S: Aerosol Flea and Tick
Spray; Skip-Flea Soap; Worm-Away;
Skip-Flea Scratch Powder (2 & 4
ounces); Skip-Flea Shampoo.**

POLK-MILLER PRODUCTS CORP.
2007 North Hamilton St.
Richmond, Virginia

**PRECISION UNIVERSAL TOOL
HEAD Adjustable while running!
Bores, counterbores, faces, undercuts,
turns trepans, recesses, backfaces, in
Milling Machine, Jig Borer, Drill
Press or Lathe. Adjustable to .0001"
without stopping spindle.**

THE PRECISION TOOL COMPANY, INC.
1001 El Dorado Drive, Clearwater, Fla.
or P. O. Box 155, Brooklyn 1, New York

**Air operated pumps, pail & drum, and
flow guns. Sealant Guns with Dis-
posable plastic liners. Hydraulic Hose
Assemblies. Shot Metering Machines.
Mechanical metering, mixing & filling
equipment.**

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20855 Telegraph Road
Detroit 41, Michigan

**Dayton-Safety Grinding Wheels;
MIRRO-KEEN Paper Trimmer
Knives; Shear Blades; Armor Plate;
Woodworking Knives.**

SIMONDS WORDEN WHITE CO.
1101 Negley Place
Dayton 7, Ohio

**LP-Gas Service; Portable LP-Gas con-
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manders; LP-Gas Motor Fuel Service;
Propane for prepared atmospheres and
oxy-propane metal cutting.**

**SUBURBAN PROPANE GAS
CORPORATION**
Gas Service in 18 Eastern States
General Offices: Whippany, N. J.

**Acid Pumps—Hand, Foot, and Motor
Operated.**

THOMPSON MFG. CO., INC.
152 West 12th St.
Erie, Pa.

**Observer's Book of Aircraft; Ob-
server's Book of Ships; Observer's
Book of Flags; Observer's Book of
Automobiles; Observer's Book of
Weather.**

FREDERICK WARNE & CO.
210 Fifth Avenue
New York 10, N. Y.

**Index Cards; File Folders; Card
Guides; Vertical Guides; Cloth Rein-
forcements.**

WARSHAW MFG. CO., INC.
1 Main St.
Brooklyn 1, N. Y.

**Winegard TV-FM-UHF; Antennas
featuring famous Winegard Gold
Anodized Colorceptor; Special anten-
nas designed on request.**

WINEGARD COMPANY
3000 Scotten Blvd.
Burlington, Iowa

**Dictionary — WEBSTER'S NEW
WORLD. Dictionary of the American
Language, College Edition.**

THE WORLD PUBLISHING COMPANY
2231 W. 110th Street
Cleveland 2, Ohio

**Army and Air Force Ex-
changes and Ships Service
Stores Supplies**

**JON-E Hand Warmers; JON-E
(Heated) Muff; JON-E (Heated) Body
Belt; JON-E Fluid. Jon-e products
give heat without flame . . . keep Serv-
icemen WARM in the coldest weather.
Write for details.**

ALADDIN LABORATORIES, INC.
620 So. 8th Street
Minneapolis, Minnesota

**BALL PENS (Office Pens, Desk and
Pocket Models, Eraser Pens, Counter
Pens); SPECIAL USE BALL PENS
(Photo Copy Pens, Laundry Marker,
Liquid Pencils); MECHANICAL
PENCILS; GIFT SETS (Ball Pens
and Mechanical Pencils, Desk Sets).**

ALL-RITE PEN, INC.
241 Hudson Street
Hackensack, New Jersey

**Needles—Hand, Machine; Scissors and
Shears; Thimbles; Tracing Wheels;
Wire Coils—All Classification.**

AMERICAN BRITISH NEEDLE CO.
160 E. Third Street
Mt. Vernon, New York

**WHIZ and Complete Line 5c & 10c bar
goods; Seasonal Specialty Items; Bag
Taffy Caramels; Vacuum Tins Exclu-
sive Kathryn Beich Candies—Golden
Crumbles — Butter Toffee — Katydid
— Almonds n' Chocolate.**

PAUL F. BEICH COMPANY
Foot of West Front
Bloomington, Illinois

**Coat; suit; dress; skirt and trouser
hangers.**

BEVERLY COAT HANGER CO.
500 Indiana Street
San Francisco 7, Cal.

**Oil Cans; Funnels; Garden Hose Hand
Sprinkler; Clip-On Belt Canteen; Re-
frigerator and Picnic Liquid Container.**

C. F. J. Mfg. Co., Inc.
62 Water St.
New Brunswick, N. J.

**Food Handling Equipment; Pastry
Cabinets, Stacking and Mobile types—
Truck Dollies—Food Conveyors—Mo-
bile Racks—Infra-Red Food Warmers
—Tray Carts—Wagons.**

CRESCENT METAL PRODUCTS, INC.
Main Office—18901 St. Clair Avenue
Cleveland 10, Ohio

**EX-LAX "The Chocolated Laxative."
6-tablets; 18-tablets; 48-tablets.**

EX-LAX, INC.
423 Atlantic Ave.
Brooklyn 17, New York

PROCUREMENT DIRECTORY

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help in solving military procurement problems.

Army and Air Force Exchanges and Ships Service Store Supplies (Continued)

Hydrecon rocket cast; France non-spall fire brick; Franco plastic fire brick; Lehigh fire brick; Franset high temperature mortar.

J. H. FRANK REFRACTORIES CO.
Snow Shoe, Pa.

GOLOBOTS — Womens Pile Lined Leather Boots; ROMANZAS — Imported Womens Flats; GOLO SPORT SHOES — Womens Goodyear Welt Flats; TWEENS — Misses Goodyear Welt Sport Shoes; G FLATS — Womens Dress Flats.

GOLO FOOTWEAR CORPORATION
350 5th Ave.
New York, N. Y.

Drill Jig and fixture bushings; Special design bushings — All kinds thread ground hardened parts; Trim dies and component parts.

THE JIG BUSHING CO.
454 No. Cass Ave.
Pontiac, Michigan

Kelly's "Lynn" Boot Polish; Kelly's "Staysdyed" Leather Dye; Kelly's Saddle Soap; Kelly's Shoe Dyeing Kit; Kelly's "Outspot" Cleaner.

GEO. J. KELLY, INC.
Lynn, Massachusetts

Spices; Extracts; Tea and Tea Bags—Coffee; Instant Mashed Potatoes; Condiments.

MCCORMICK & COMPANY, INC.
Baltimore 2, Maryland
and
San Francisco 7, Calif.

Folding Mess Tables; Folding Benches; Folding Tennis Tables; Heavy Duty Portable Tennis Tables; Folding Stage Units.

METWOOD MFG. CO., INC.
Spruce Street
Hanover, Penna.

Gift Boxes: Folding and Set-Up; Bakery Boxes: Folding; Shipping Containers: Corrugated; Stock Sizes: Available Immediately; Special Sizes: Quoted on Request.

OLD DOMINION BOX COMPANY, INC.
(R & S Division)
Charlotte 1, North Carolina

Boxed Glass ash tray and Tumbler sets depicting service insignias, scenes, and etc in permanently fired ceramic colors. Also custom decorations on any glassware of your choice.

ORCHID GLASS CO.
A Division of Seaboard Construction Co.
2315 Hubbard Street
Jacksonville 6, Florida

Packless flexible metal hose and fittings in Bronze, Stainless and Carbon Steel, sizes 1/4" through 6" I.D. All types for all applications.

PACKLESS METAL HOSE, INC.
730-50 S. Columbus Ave.
Mount Vernon, New York

COLLAPSIBLE CUPS—Plastic, with Service Insignia stamped on covers. COASTERS with Service Insignia hot stamped.

PLURA PLASTICS
17-21 Newark Way
Maplewood, N. J.

SERGEANT'S Dog Care Products; SERGEANT'S: Aerosol Flea and Tick Spray; Skip-Flea Soap; Worm-Away; Skip-Flea Scratch Powder (2 & 4 ounces); Skip-Flea Shampoo.

POLK-MILLER PRODUCTS CORP.
2007 North Hamilton St.
Richmond, Virginia

**Skytrooper Jump Boot #1102
Survival Flight Boot #1105
RED WING SHOE COMPANY**
106 Main Street
Red Wing, Minnesota

Slide Mounts; Slide Mounters; Film Cutters; Slide Boxes, plastic; Slide Boxes, cardboard.

SEARY-MICHELBAUGH CORP.
19 Nebraska Avenue
Endicott, New York

Electric Hair Clippers; Electric Home Barber Kits; Massage Vibrators; Hair Dryers; Electric Shavers.

WAHL CLIPPER CORP.
2702 N. Locust St.
Sterling, Illinois

Observer's Book of Aircraft; Observer's Book of Ships; Observer's Book of Flags; Observer's Book of Automobiles; Observer's Book of Weather.

FREDERICK WARNE & CO.
210 Fifth Avenue
New York 10, N. Y.

Index Cards; File Folders; Card Guides; Vertical Guides; Cloth Reinforcements.

WARSHAW MFG. CO., INC.
1 Main St.
Brooklyn 1, N. Y.

"Lickety-Split" Duplicate Cafe Checks; Trade Coupon Books; Coat Room Checks; "New Process" Waterproof Windshield Stickers; Admission Tickets.

WELDON, WILLIAMS & LICK, INC.
Fort Smith, Arkansas
Phone Sunset 3-4113

Stoneware Bean Pots Sets; Stoneware Covered Casseroles; Stoneware Coffee Carafe & Mugs; Stoneware 10" Ash Trays; Stoneware Baking Dishes; (all oven-proof).

WESTERN STONWARE CO.
521 W. Sixth Ave.
Monmouth, Illinois

Winegard TV-FM-UHF; Antennas featuring famous Winegard Gold Anodized Colorceptor; Special antennas designed on request.

WINEGARD COMPANY
3000 Scotten Blvd.
Burlington, Iowa

Dictionary — WEBSTER'S NEW WORLD. Dictionary of the American Language, College Edition.

THE WORLD PUBLISHING COMPANY
2231 W. 110th Street
Cleveland 2, Ohio

Medical and Dental Supplies, Hospital Equipment

Full line Surgical Appl.; Sacro-Lumbar Supports; Rib fracture belts; Traction equipt.; Elastic Hosiery.

THE AKRON TRUSS CO., INC.
450 Portage Trail
Cuyahoga Falls, Ohio

Blackbourn Appointment Books for Doctors, Dentists, Hospitals, Clinics and Rehabilitation Centers.

BLACKBOURN SYSTEMS
230 S. Cedar Lake Rd.
Minneapolis 5, Minn.

Gauze, Petrolatum Impregnated ("Vaseline" Sterile Petrolatum Gauze) In Depots: FSN 6510-202-0800 3" x 18", 12s; FSN 6510-543-7145 1/2" x 72", 6s (Selvage-Edged); FSN 6510-202-0750 3" x 36", 3s.

Order Direct: 1" x 36", 6s; 3" x 3" Pad (opens to 3" x 9" Strip), 6s; 6" x 36", 6s.

CHESEBROUGH-POND'S INC.
485 Lexington Ave.
New York 17, N. Y.

CONDUCTOMETER®, Wall Ohmmeter; CHACO® Conductive Footwear; Conductive Rubber Sheeting; Conductive Flooring; Conductive Floor Finishes.

CONDUCTIVE HOSPITAL ACCESSORIES CORP.
82 West Dedham Street
Boston 18, Mass.

Pre-Cleaned Microscope Slides; Culture Slides.

J. MELVIN FREED, INC.
306 N. 5th St.
Perkasie, Penna.

Pharmaceuticals; Chemicals.

J. E. GOULD & COMPANY
Portland, Maine

Easy lift recovery room stretcher; Standard recovery room stretcher; Conver emergency room stretcher; Economy wheel stretcher; Inval-aid chair.

HAUSTED MFG. CO.
P. O. Box 190
Medina, Ohio

Invalid Walkers; Commode Chairs; Safety Siderails for Beds; Fracture Equipment; Bedside Tables.

INVALID WALKER & WHEEL CHAIR CO., INC.
745 West 17th St.
Long Beach 13, Calif.

Leaded-Leather X-Ray Protective Gloves, Aprons, & Shields.

LIBERTY PROTECTIVE LEATHERS INC.
17-29 Burr St.
Gloversville, N. Y.

McKesson's Hypodermic Syringes & Needles; Dennison Wraps; Pharmacy Fixtures — McKesson's; McKesson's Nurse's Station Unit; McKesson's Step-Saver Unit.

McKESSON & ROBBINS, INC.
155 E. 44th Street
New York 17, New York

COLLAPSIBLE CUPS—Plastic, with Service Insignia stamped on covers. COASTERS with Service Insignia hot stamped.

PLURA PLASTICS
17-21 Newark Way
Maplewood, N. J.

Signal, Communication Supplies and Equipment

Eng. & Design of the following: Tools, Dies, Jigs, Special Equip. for Aircraft, Missiles, Ordnance, Nuclear controls.

AEROMOTIVE DESIGNERS, INC.
580 E. 200th St.
Cleveland 19, Ohio

Manufacturers of Aluminum Lightweight Shelters and Bodies and Steel Structures. Metal and Wooden Chests and Cases.

AMERICAN-MONINGER GREENHOUSE MFG. CORP.
1820 Flushing Ave.
Brooklyn 37, N. Y.

Towers; Masts.
AMERICAN TOWER CO.
Box 29
Shelby, Ohio

Ground support bulk cable; Ground support cable assemblies; Special purpose cable; Cable assemblies & Systems; Ribbon cables all types; Teflon magnet wire.

CABLE DESIGNS, INC.
66 Rushmore Street
Westbury, L. I., N. Y.

Packaged Electronic Circuits; Variable Resistors; Ceramic Capacitors; Rotary Switches; Hi-Alumina & Steatite Ceramics.

CENTRALAB
900 E. Keefe Ave.
Milwaukee 1, Wisc.

Telephone Pole Line Construction Tools; Pike Poles, Tamping Bars, Reels, Wire Grips, Portable Warning Signs; Similar Items made to Specifications.

THE DICKE TOOL CO.
1201 Warren Ave.
Downers Grove, Ill.

SLEEVEING, cotton insulating; SLEEVEING, fiberglass insulating, Treated & Untreated; SLEEVE, telephone cable splicing, waxed cotton; CORD, Nylon Lacing (Waxed or Unwaxed).

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Diamond Truss Towers in Steel, Aluminum, Fiberglass; with Tilt-Up Erection Features; Portable Aluminum Bases; Portable Steel and Aluminum Equipment Buildings.

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Stainless Steel Fabrication; Aluminum Fabrication; Steel Fabrication; Ovens Electric & Gas; Conveyors.

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Rigid Microwave Bends, Twists, Coils and Assemblies to Your Prints.

SPECIALTY AUTOMATIC MACHINE CORP.
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Adjustable toggle type #8 to 4 awg. Wire and Cable Strippers.

TACA CABLE STRIPPER MFG. CORP.
1313 N. Mission Rd.
Los Angeles 33, Calif.

Microwave Antennas; Aircraft Antennas; Telemetry Antennas & Mounts; Ruggedized Yagi; Scatter Antennas. TECHNICAL APPLIANCE CORPORATION
Sherburne, New York

Diazotype Reproduction Materials; Diazochrome Films; Transpaque Projectors; Hi-O Diazoprocessor; Technifax Visulite.

TECNIFAX CORPORATION
195 Appleton St.
Holyoke, Mass.

PROCUREMENT DIRECTORY

The companies listed in this Directory are able and eager to provide materials and services for National Defense.

Service purchasing officers are respectfully urged to enlist their help in solving military procurement problems.

Signal, Communication Supplies and Equipment (Continued)

Dictionary — **WEBSTER'S NEW WORLD**. Dictionary of the American Language, College Edition.
THE WORLD PUBLISHING COMPANY
2231 W. 110th Street
Cleveland 2, Ohio

Electronic and Guided Missile Components

Eng. & Design of the following: Tools, Dies, Jigs, Special Equip. for Aircraft, Missiles, Ordnance, Nuclear controls.
AEROMOTIVE DESIGNERS, INC.
580 E. 200th St.
Cleveland 19, Ohio

Manufacturers of Aluminum Lightweight Shelters and Bodies and Steel Structures. Metal and Wooden Chests and Cases.
AMERICAN-MONINGER GREENHOUSE MFG. CORP.
1820 Flushing Ave.
Brooklyn 37, N. Y.

Ground support bulk cable; Ground support cable assemblies; Special purpose cable; Cable assemblies & Systems; Ribbon cables all types; Teflon magnet wire.
CABLE DESIGNS, INC.
64 Rushmore Street
Westbury, L. I., N. Y.

Packaged Electronic Circuits; Variable Resistors; Ceramic Capacitors; Rotary Switches; Hi-Alumina & Steatite Ceramics.
CENTRALAB
900 E. Keefe Ave.
Milwaukee 1, Wisc.

CAPACITORS — Metallized Plastic Film, Plastic Film, Paper, complex Dielectric, and High Reliability Capacitors.
DEARBORN ELECTRONIC LABS.
1421 No. Wells St.
Chicago, Illinois

Portable and fixed Hydraulic, Pneumatic & electronic test stands and power supplies. Fuel system test equipment. Variable speed drives. Ground support equipment.
FLIGHT SUPPORT, INC.
159 Forrest St.
Metuchen, New Jersey

Food Ration Breakdown Calculator; Preservation Indicator; Aircraft Gas Turbine Correction Rule; Shipper's Cubic Content Calculator; Special Scales.
GRAPHIC CALCULATOR CO.
633 Plymouth Court
Chicago 5, Illinois

Relay, hermetically sealed, miniature, sub-miniature, high vibration, sensitive.
HI-G, INC.
Bradley Field
Windsor Locks, Conn.

Industrial plating of: Electronic component, missile activators, pistons, cylinder blocks and valves. Research contracts.
NOL-CROME ELECTROPLATING CORP.
Allegany, New York

SLEEVING, cotton insulating; **SLEEVING**, fiberglass insulating, Treated & Untreated; **SLEEVE**, telephone cable splicing, waxed cotton; **CORD**, Nylon Lacing (Waxed or Unwaxed).

HOPE WEBBING COMPANY
1005 Main Street
Pawtucket, R. I.

Silicon, Germanium and Selenium; Rectifiers and Diodes; Selenium Photoelectric Cells; Silicon Solar Cells and Solar Energy Converters.
INTERNATIONAL RECTIFIER CORPORATION
Executive offices: El Segundo, California

Switches, Power Transfer, Missile; Inverters, Static, Missile; Commutators, Electronic, Tlm; Tester, Field, Detonators; Frequency Changers.
KINETICS CORPORATION
410 S. Cedros Ave.
Solana Beach, Calif.

Precision Machining; Tools and Fixtures; Special Machines; Plastic Molded Parts.
MASON, SHAVER & RHOADES, INC.
Stewartsville Road
R. D. #5
Irwin, Pennsylvania

Stampings (All Metals); Slitting (All Metals), Shearing (All Metals); Tools, Dies, Jigs; General machine work.
METAL SPECIALTY CORP.
559 Observer Highway
Hoboken, New Jersey

Electronic Flowmeter, Electronic Tachometer, Densimeter, Flow Switch; Electronic Instrumentation.
POTTER AERONAUTICAL CORP.
Route 22
Union, New Jersey

Air operated pumps, pail & drum, and flow guns. Sealant Guns with Disposable plastic liners. Hydraulic Hose Assemblies. Shot Metering Machines. Mechanical metering, mixing & filling equipment.
PYLES INDUSTRIES, INC.
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Stainless Steel Fabrication; Aluminum Fabrication; Steel Fabrication; Ovens Electric & Gas; Conveyors.
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SPECIALTY AUTOMATIC MACHINE CORP.
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Burlington, Mass.

Synthetic "O" Rings; Back-up Washers; Needle Bearings Seals; Precision lea. and syzthetic packings; Oil Seals.
ALBERT TROSTEL PACKINGS, LTD.
Lake Geneva, Wis.

Flight Pay Proposals Urge 20-Year Rule, Restoration Of \$25 Million House-Cut

From first page—

Department said, will recognize "the total hazards of a military flying career." Congressional sources were unable to predict whether the proposal will be considered this year or have to wait until the second session. Due to its late submission and the fact that numerous other high-priority Defense Department measures still are pending in Congress, indications are that it could be delayed until next year.

Meanwhile, Secretary of Defense Neil H. McElroy and other top Pentagon officials urged the Senate to restore the \$25 million reduction which the House voted in proficiency flying funds.

Secretary McElroy said if the funds are not restored there will be "a serious curtailment in mission support flying, performed by pilots in the proficiency categories."

He noted that the recently revised proficiency flying regulations are expected to result in eventual savings in operations and maintenance funds, but added that the savings "will not be realized in 1960."

In chopping \$25 million from the program, the House Appropriations Committee said it was taking advantage of Defense Department claims that the Services would save about \$40 million annually under the new rules announced earlier this year.

Brig. Gen. Robert J. Friedman, Director of the Air Force Budget, told the Senate Military Appropriations Subcommittee that the House action "is premature." He said the Defense Department, in unfolding the new flight pay rules, had estimated that the benefit of the first full year of operation of the new system would not be realized for "about two calendar years."

General Friedman said the Air Force is aggressively cutting back its proficiency flying program. By the end of fiscal '60, he said, there will be 3,000 fewer pilots in the Air Force than the total on duty at the end of fiscal '58. "During the same period," he said, "the number of pilots in the pure proficiency flying category will be reduced approximately 6,000 with approximately 800 less aircraft programmed for this purpose."

Vadm. R. E. Wilson, Deputy CNO (Logistics), told the committee that any savings to be realized this year by the new proficiency flying controls already "have been offset by a recent fuel price increase." If the House-cut is upheld, he said, the Navy will have "to go below a satisfactory level of training for aviators who fly the new, fast jets."

And he said, "Prospective squadron commanders and other squadron officers will not be able to retain adequate flying skill while not serving in operational billets."

Navy Tells Plans For "Hump" Cuts In 14 Year Groups; 2980 Will Retire

THE Navy plans that about 35% of the captains who come within the scope of the "hump" bill will be forced to retire.

In the grade of commander, about 67% will be forced to retire in the first year after the law takes effect and about 55% will be forced to retire thereafter.

The following chart shows, by year group, the number of officers due to be retired under the "hump" provisions. The Navy has said the exact number forced out in a particular year group may be larger or smaller than the number shown, however. Also, the fiscal '59 figures will have to be rejuggled inasmuch as the legislation is not now expected to become law until fiscal '60.

Here is the chart:

Captain

Fiscal Year	Year Group	Total Commissioned Service	Unrestricted Line Eliminated	All Others Eliminated	Total
1959	1930	30	55		
	1931	29	59		
	1932	28	53	30	203
1960	1933	27	43		
	1934	26	72	42	163
1961	1935	26	65		
	1936	25	33		
	1937	24	55	85	238
1962	1938	24	113		
	1939-1	23	32	74	219
1963	1939-2	24	64	26	90
1964	1940	24	62		
	1941	23	54	47	163
1965	1942-1	23	98	67	165
1966	1942-2	24	93	25	118
1967	1942-3	25	92	34	126
1968	1943-1	25	91	34	125
1969	1943-2	26	90	35	125
Total			1,236	499	1,735

Commander

Fiscal Year	Year Group	Total Commissioned Service	Unrestricted Line Eliminated	All Others Eliminated	Total
1960	*1941	20-26	423	118	611
1961	1942-1	20	158	59	217
1962	1942-2	21	155	61	216
1963	1942-3	22	153	48	201
1964				64	64
1965				25	26
Total			889	356	1245

*And Senior to 1935.

Army Orders

From page 15—

Captain

Duckworth, George H, Philadelphia, to Control Hq USA CDRC, Ft Ord.
McCandlish, Robert H, Cp Gary, to USMA, West Point.
Parolari, Bert W, Ft Knox, to Stu Det Co C USALS, Monterey, Calif.
Lepine, Marshall J, Ft Knox, to BAMC, Ft Sam Houston.

To Germany

Hurwitz, Martin, Monterey, Calif.
Bray, Dean A, Ft Knox.

1st Lieutenant

Mangrum, Oren D, Ft Hood, to USA Sig Gar, Ft Monmouth.
Broadway, Joe D, Ft Carson, to 416th Sig Avn Co, Ft Huachuca.
Mattingly, Roger K, Ft Knox, to USA Gar, Ft Bragg.
Wese, Lawrence L, Ft Ord, to Hawaii.
Kennedy, Ronald D, Ft Bragg, to CC A 1st Armd Div, Ft Hood.

To Stu Det USAARMS, Ft Knox

Landau, Bernard M, Ft Campbell.
Hull, Frederick B, Jr, Ft Hood.
Carr, Robert F, Ft Benning.

To Korea

Carrier, Billy C, Ft Meade.
Stipe, John W M, Jr, Ft Riley.
Aldridge, Eugene V, Jr, Ft Knox.
Brice, Charles S, Ft Knox.
Cotter, Robert J, Ft Riley.
Dickerson, Joe R, Ft Knox.
Dorsey, Dennis J, Ft Meade.

From Ft Hood:
Brown, Joe A Gonzalez-Soto, Jose L
Finkbinder, Glenn G Kemp, Donald T
Gersitz, Chas R

To Germany

Armstrong, Raymond D, Ft Riley.
Truett, Curtis P, Ft Hood.
Bane, Wista F, Jr, Ft Knox.
Biberstein, Billy J, Ft Carson.
Brown, Richard A, Ft Devens.
Greene, Alex L, Ft Benning.
Kelly, Thomas W, Ft Knox.
Lippai, Stephen A, Ft Stewart.
Lyerly, Virgil T, Ft Hood.
McClain, James D, Ft Riley.
McKallip, Homer D, Ft Knox.
Perkins, Lee F, Ft Benning.
Zarynow, Paul G, Ft Knox.

2d Lieutenant

Bradlin, James W, 4th, Ft Hood, to 82d Abn Div, Ft Bragg.
Griffith, Warren E, Ft Stewart, to Korea.
From Cp Wolters, Tex, to Station Indicated
Conner, Max D, Army Avn Comd, Ft Benning.
Fournier, Albert L, USA Gar, Ft Stewart, Ga.

To 2d Inf Div, Ft Benning

Boswell, Benjamin W, Ft Meade.

To CC A 1st Armd Div, Ft Hood

Bratisax, Roland J, Ft Knox.
Beavers, Eldon J, Cp Wolters.
Decker, Gilbert F, Cp Wolters.

To Germany

Shernan, Charles L, Ft Benning.
Wilkie, Charles D, Ft Benning.
From Cp Wolters:
Berlin, Albert J Chesnut, Saml D, Jr
Briggs, Fred C

ARTILLERY—

Colonel

Eckhardt, George S, Suitland, Md, to USA Elm OJCS, Wash, DC.
Donnell, Thomas W, Ft Sill, to OURARMA Am Emb, Manila, RP.
Bower, Roland C, Jr, Ft Douglas, to Germany.
Chesarek, Ferdinand J, Wash, DC, to France.

Lt Colonel

Ballagh, Robert S, Wash, DC, to USA ADGRU Calif, Sacramento, w/sta San Francisco.
Hartung, Herbert W, Ft Campbell, to OTIG, USA, Wash, DC.
Chilton, Paul G, Burlington, Iowa, to Hq Fifth USA, Chicago.
Briggs, Marvin L, Jr, Ft Sill, to USA ADGRU VIII USA Corps, w/sta Dallas Area Comd, Dallas, Tex.
Borden, Garland A, Detroit, to Hq Fifth USA, Chicago.
Rounds, Raymond B, Ellsworth, SDak, to USASSETAF.
Fiske, Robert W, Ft Bliss, to Stu Det Co C USALS, Presidio of Monterey.
Sharp, Paul E, Ft Lewis, to OTIG USA, Wash, DC.
Corey, Robert R, Ft Rucker, to 82d Admin Co, Ft Bragg.
Bonner, Douglas W, Boston, to Hq 2d Log Comd, Ft Ord.

To Germany

Pearls, Douglas D, Ft Sam Houston.
Chamberlin, William F, Ft Sam Houston.
Ucherek, Stephen A, Chicago.

Major

Bell, Arvin, Ft Hood, to 101st Abn Div, Ft Campbell.

INVISIBLE TANKS

What kind of a tank does the Army need for its future battle-field operations?

The answer was given by General Bruce C. Clarke, Commander of the Continental Army Command, before the Second Annual Industry Missile and Space Conference in Detroit.

For tanks, General Clarke said, "our requirements are simple. We want a fast, highly mobile, fully armored, lightweight vehicle. It must be able to swim, cross any terrain, and climb 30-degree hills. It must be air transportable. It must have a simple but powerful engine, requiring little or no maintenance. The operating range should be several hundred miles."

And, said General Clarke, "We would also like it to be invisible."

Widing, Harry E, Picton, Canada, to Hq 6th Rgn USARADCOM, Ft Baker.
Tomlinson, William H, Ft Bliss, to Hq USAR ADCOM, Ent AFB.
Welden, James W, Ft Sill, to Hq 4th Rgn USARADCOM, Kansas City, Mo.
Boomer, Richard J, Ft Lewis, to 24th Arty Gp Del Stor Actv, Pedricktown, NJ.
Lucas, Robert L, San Antonio, Tex, to 5th Arty Gp, Cp Hanford.
Morris, William H, Jr, Santa Ana, Calif, to 56th Arty Brig, Ft Banks.
Foster, John R, Ft Sill, to 28th Arty Gp, Selfridge AFB.
Smith, Karl W, Ft Riley, to 45th Arty Brig, Arlington Heights, Ill.
Rose, John O, Ft Hayes, O, to Cmbt Comd A 1st Armd Div, Ft Hood.
Johnson, Ronald C, Ft Bliss, to Hq US CON-RAC, Ft Monroe, w/sta Ord Msl Comd, Redstone Arsenal.
Lee, Bruner S, Jr, Alva, Okla, to USAAMC, Ft Sill.
Pridmore, George M, Ft Chaffee, to USA-AMVNS, Ft Rucker.
Convey, James E, Jr, Quetta, Pakistan, to USA Elm MAAG Pakistan, w/sta Karachi.
Dixon, Floyd N, Racine, Wis, to 82d Admin Co, Ft Bragg.
Ammon, George F, Jr, Atlanta, Ga, to 2d Msl Bn, 30th Arty, Ft Bragg.
Horman, Glen W, Hutchinson, Kan, to Japan.
Baxter, Levon G, Ft Rucker, to dy sta USA Cmbt Dev Exper Cen, Ft Ord.
Farrell, Lee J, Ft Sill, to USA Instr Gp, Ga XII USA Corps, Atlanta, w/sta Univ of Georgia, Athens.
Hillman, Thurman H, Monterey, Calif, to OUSARMA Am Emb, Saigon, Vietnam.
Hoge, William C, Jackson, Miss, to Korea.

To 52d Arty Brig, Ft Wadsworth

Worf, George H, Ft Sill.
Moss, Vaughn R, San Francisco.

To 40th Arty Brig, Ft Barry, Sausalito, Calif
Williams, Louis E, Dayton, O.
Disney, Cyril C, San Francisco.

To Germany

Stevenson, Don W, Ft Sill.
Woods, Robert E, Louisville, Ky.
DaPrato, Raymond E, Cleveland, Ohio.
Demick, Frank W, Cp Kilmer, NJ.
Nichols, Edwin O, Ft Bliss.
Potter, Vernon N, Youngstown, NY.
Taulbee, Charles P, Ft Bliss.
Linden, John H, Camberley, England.
Selle, Fred A, Pueblo, Colo.
Paul, Arthur T, Squantum, Mass.

Captain

McGuire, Virgil P, Lincoln, Nebr, to USA-AMVNS, Ft Rucker.
Higgins, Timothy G, Ft Polk, to USA Air Def Cen, Ft Bliss.
Telchik, Leo, Bogalusa, La, to 3d FA Bn 3d Arty, Ft Knox.
Christiansen, Elmer C J, Ft Bliss, to 4th Msl Bn 562d Arty, Duncannonville AF Sta, Tex.
Barnett, John H, Monterey, Calif, to 164th MI Platoon, Ft Bragg.
Frandsen, Donald P, Boston, to USA Elct Pr Gr, Ft Huachuca.
Collins, John J, Ft Rucker, to USMA, West Point.
Stevens, Grant, Jr, Ft Hood, to USA ADGRU Kans, XVI USA Corps, Topeka.
Raposa, Antone P, Ft Bliss, to 4th Msl Bn, 562d Arty, Duncannonville AF Sta, Duncannonville, Tex.
Hagerman, David O, St Bonaventure, NY, to USAAMC, Ft Sill.
Mann, James W, Champaign, Ill, to Stu Det USAGSC, Ft Leavenworth, w/sta Indian Def Svc Staff College, Wellington, Nilgiris, South India.
Hodnette, Paul W, Lexington, Mo, to USA Air Def Cen, Ft Bliss.
Buckley, William F, Ft Campbell, to USA ADGRU Colo XVI USA Corps, w/sta Pueblo, Colo.
Elias, Albert, Ft Hood, to USA ADGRU III XI USA Corps, w/sta Ottawa, Ill.
Tanzola, Vincent J, Indiana, Pa, to USAAMC, Ft Sill.

Mulvihill, John R, Ft Polk, to 56th Arty Bde, Ft Banks.
Leister, James W, Champaign, Ill, to USA-AMC, Ft Sill.
London, James E, Ft Sill, to Co C Stu Det USALS, Presidio of Monterey.

To Korea

Ozment, Fred N, Jr, Ft Sill.
Hoehn, Robert G, Ellsworth AFB, SDak.
Baugh, Donald P, Ft Riley.

To Germany

Milde, George K, Glendive, Mont.
Eberhardt, Donald L, Ft Niagara.
Foster, Arthur N, Ft Bragg.
Gear, Leland C, McAlester, Okla.
Golden, William T, Ft Sill.
Heavens, Josephus, Ft Bliss.
Jenison, Daniel A, Monterey, Calif.
Judd, Donald S, Ft Sill.
Lewis, Harold F, Jr, Pittsburgh, Pa.
Lish, James B, Ft Sill.
Meinzen, Donald F, Ft Bliss.
Nickerson, Charles E, Jr, Lancaster, NY.
Rowell, Milo D, Pasadena, Calif.
Salter, Ramey, Cleveland, Ohio.
Thomas, Robert E, Erie, Pa.
Davey, Robert A, Ft Devens.
Luttrell, Robert E, Ft Campbell.

To USARAL

From Ft Bliss:

Daly, James J Harman, Robt J

1st Lieutenant

White, Marion F, Cp Wolters, to 63d Arty Gp, New Britain, Conn.
Wheat, Thomas W, Jr, Ft Hood, to Hq USA Ord Msl Comd, Redstone Arsenal.
Parks, George H, Jr, Arlington, Va, to 12th US ASA Fld Sta, Chitose, Hokkaido, Japan.
Satterthwaite, George, Portsmouth, Va, to QM TC Comd USA, Ft Lee.

To Korea

Mullen, Jack L, Ft Bragg.
Parrish, Charles D, Willowick, Ohio.
Rinker, Richard, Ft Bragg.
Troknya, Robert J, Ft Sill.
Brassett, Charles A, Jr, Ft Sill.
McMillen, Donald D, Ft Devens.
Arciero, Robert G, Ft Bliss.

To Germany

Wasko, Frank J, Jr, Ft Bliss.
Knapp, Peter T, Ft Bliss.
Krebs, James M, Monterey, Calif.
Muller, Alexander V, Ft Bliss.
Blackwell, Jesse E, Colorado Springs, Colo.
Abt, Irwin E, Orchard Park, NY.
Rendine, Alfred J, Ft Sill.
Yung, William E, Ft Sill.
Edwards, William M, Jr, Ft Sill.

To USARAL

Hickisch, Charles W, Ft Sheridan.
Evans, Wesley D, Franklin Lakes, NJ.
Flory, Robert A, Ft Sill.

From Ft Bliss:

Weatherly, Chas T Lea, W J, Jr

2d Lieutenant

Trevino, Francisco, Jr, Cp Wolters.
Lutz, Brock M, Cp Wolters.

To USARAL

From Ft Sill:
Furman, Daniel R Pollard, Robt F
Hurd, David E Reichert, Kenneth W
McMahon, Michael P Shalikhavili, J M D

CORPS OF ENGINEERS—

Maj Gen E C Itchner, C of E

Colonel

Nauman, Arthur C, Wash, DC, to Korea.

Army Advances 47

To Temporary Major

The Army has promoted 47 captains to temporary major, including four nurses—Delores L. Gunuskey, Virginia R. Morgan, Bertha I. Tiffany and Phyllis J. Verhonic.

The lone WAC named is Anne C. O'Sullivan.

Announcement of the promotions was made in Special Orders 121, dated 18 June. The junior officer on the list had 108 months, 29 days, service as of 30 June 1958.

Line officers named are:

Ablett, Chas B, SigC Neal, Harold, Inf
Balmer, J D, Jr, Arty Nelson, Robt C, CE
Chandler, John P, CE Nulsen, C K, Jr, Inf
D'Ambrosio, E J, OrdC Olson, K W, SigC
Diels, A J, Jr, Inf Packard, D F, Arm
Dorsey, C R, Arty Patton, M G, MC
Gard, Robt G, Jr, Arty Puckett, Ralph, Jr, Inf
Griffith, Harry A, CE Rank, Wm A, CE
Hayes, D W, AGC Ross, Marion C, Inf
Howell, M D, Arm Slocum, J M, Jr, Arm
Hurt, Clarence M, Inf Smith, Robt L, Inf
Jartman, M R, OrdC Smithers, S W, Jr, Inf
Jones, Hugh H, Jr, Inf Stauffer, Jos R, Inf
Keith, Donald R, Arty Tallman, R J, Inf
Key, Milton E, Arty Tormey, Jas H, CE
Kotite, Richard S, Inf Vaughn, Billy M, Inf
Krakower, A M, SigC Wagner, R H, CE
Lippincott, Jno C, Inf Weber, D J, MPC
McTaggart, R R, CE Whelan, R A, CE
Miller, R J, Arty Wilmot, Fred W, Inf
Morton, R L, TC Wilson, Jas R, Inf

Davidson, Richard P, Thule, Greenland, to USA Engr Div South Atlantic, w/sta Wilmington, NC.
Diercks, Frederick O, Wash, DC, to 159th Engr Gp, Ft Bragg.
Davison, Alfred H, Jr, Ft Belvoir, to Germany.

Lt Colonel

Barnes, Roger A, Baltimore, to ODSLOG USA, Wash, DC.
Spencer, Thomas F, Keflavik, Iceland, to ODSLOG USA, Wash, DC.
Schroeder, Hall, Paris, France, to USA Engr Div North Atlantic w/sta NYC.
Destasio, Bartholomew T, Philadelphia, to USA Engr Cen, Ft Belvoir.
Mowery, William A, Albuquerque, NMex, to Germany.

Major

Jones, Melvin R, Ft Stewart, to Philadelphia QM Dep, Philadelphia.
Rheauark, George D, Wash, DC, to Off Stu Co USAINTC, Ft Holabird.
Achee, Fernand M, Jr, Keflavik, Iceland, to OCOFENGERS USA, Wash, DC.
Van Scholck, Arthur W, Jr, Chicago, to 19th Engr Bn, Ft Meade.
Shumard, Gordon H, Wash, DC, to USA Elm MAAG, Vietnam, Saigon.
Nuzum, John B, Wash, DC, to USA Elm MAAG, Vietnam, Saigon.
Lampert, Ernest R, Ft Hood, to ODSLOG USA, Wash, DC.

To Germany

Hurst, Coy F, Ft Leonard Wood.
Murray, William R, Ft Belvoir.
Tripp, Lowell O, Rock Island, Ill.

Captain

Holloway, Henry G, Ft Benning, to USA Army Advisor Ohio, Ft Hayes, w/sta Cleveland.
Smith, Charles D, Jr, Syracuse, NY, to USA ADGRU Korea, Yongsan.
Barron, Edward C, Ft Devens, to 51st Ord Co, Thule, Greenland.
Wise, Lloyd H, Cp Hanford, Wash, to France.
Rogerson, Donald J, Ft Lewis, to Germany.
Copeland, Kenneth L, Ft Knox, to USA Elm USMTMSA, Riyadh, Saudi Arabia.
Harris, Richard L, New York, to USA Engr Reactor Gp, Ft Belvoir.
Iorio, Herman, Ft Miles, to 20th Engr Bn, Ft Devens.
Starobin, Sam D, Glasgow AFB, Mont, to USA Engr Div North Pac, Larson AFB, Wash.

To Germany

Buchanan, Robert C, Ft Meade.
Dodt, Wayne O, Cp Wolters.
Fontes, George R, Ft Leonard Wood.
Franklin, Sherwood W, Champaign, Ill.
Garner, Ernest, Jr, Ft Riley.
Heard, John W, Livingston, Mont.
Wilson, James, Ft Lewis.

1st Lieutenant

McNamee, Vernon D, Cp Gary, to Hq USATC Inf and Gar Avn Co, Ft Ord.
Leverenz, John H, Thule, Greenland, to USA Engr Cen, Ft Belvoir.
Coley, Edwina K, Galveston, Tex, to Letterman AH, San Francisco.
Van Houten, Peter F, Ft Leonard Wood, to Hq 2d Bn Cmbt Team, Keflavik, Iceland.
Hirata, Edward Y, Ft Belvoir, to Trf Sta USAPERSCEN, Schofield Bks, TH.

To Germany

Black, Calvin D, Ft Carson.
Mills, Charles S, Jr, Ft Belvoir.
Du Bois, Donald A, Ft Devens.
Ligon, Claude M, Ft Meade.
Polo, Richard J, Ft Hood.
Schull, Dunell V, Ft Rucker.
Henry, Charles E, Ft Leonard Wood.
Johnson, David L, Ft Riley.
Goldsmith, Stanley L, Ft Belvoir.

To USARCARIB (Panama)

Dupree, Burton L, Ft Hood.
Magness, James L, Ft Leonard Wood.

2d Lieutenant

Shaw, Robert H, Granite City, to USA Engr Cen, Ft Belvoir.

From Cp Gary, Tex, to Station Indicated
Walker, Hasten E, USA Gar, Ft Stewart.
Solomon, Stephen M, 4th, 2d Inf Div, Ft Benning.

To Germany

Ciccone, Vincent J, Ft Jay.
Reine, Charles M, Cp Wolters, Tex.
Millican, Timothy H, Ft Leonard Wood.
Hayden, Leroy R, Jr, Ft Leonard Wood.
Miller, William R, Ft Knox.
Puschek, Herbert C, Ft Leonard Wood.
Schroder, Romayne E, Ft Leonard Wood.
From Ft Belvoir:
Adams, James E, Jr Domal, Stanley J
Clausen, Gary J

SIGNAL CORPS—

Maj Gen Ralph D Nelson, C Sig G

Colonel

Haycock, William M, Ft Bragg, to USA Elct Pr Gr, Ft Huachuca.
Carter, Arthur P, Ft Monmouth, to USA Elct Pr Gr, Ft Huachuca.
Rogers, George F, Wash, DC, to USA Alaska Comm Svc, Seattle.
Blackmon, Roy F, Arlington, Va, to USA Elct Pr Gr, Ft Huachuca.

Lt Colonel
Dogan, Adam E, Wash, DC, to Germany.

Major
Fehrs, John W, West Point, to USA Sig Intel Agcy, Arlington Hall Sta, Arlington, Va.
Komoroske, Alexander B, Wash, DC, to USA Sig Sup Agcy, Philadelphia.
Steed, William C (AS), Arlington, Va, to USA Elm NSA, Ft Meade.
Gibson, James A, Columbia, SC, to USA AD-GRU Korea, Yongsan.
Salzman, Charles N, Ft Monmouth, to Hq First USA Stu Det, Governors Is, w/sta Harvard Univ, Cambridge.
Erie, Luther M, Warrenton, Va, to ARMISH/MAAG, Teheran, Iran.

To Korea
Holliday, William L, Ft Huachuca.
Button, Oswald W, Sandia Base, NMex.

To Germany
Templeman, James M, Ft Lewis.
Brierly, Jay B, jr, Long Island City.

Captain
Banister, Grady H, Philadelphia, to USA Elct Pr Gr, Ft Huachuca.
Ross, James R, West Point, to Off Stu Co, USAINTC, Ft Holabird.
Bolak, Aloysius, Ft Niagara, to Hq US ASA Europe, Frankfurt.
Bye, Robert H (AS), Arlington, Va, to 12th US ASA Fld Sta, Chitose, Hokkaido, Japan.
Spero, Paul G, Warrenton, Va, to US ASA Tng Regt, Ft Devens.
Shields, Richard B, Ft Monmouth, to Stu Det Hq Second USA, Ft Meade, w/sta Ohio State Univ, Columbus.
Pomeroy, Thomas P, Ft Detrick, to USA Caribbean Sig Agcy, Henry Barracks, Cayey, PR.
Walter, Frederick K, Heidelberg, Germany, to USA Elct Pr Gr, Ft Huachuca.
Beck, Roland L, Ft Huachuca, to Germany.
Grover, Frederick L, Ft Riley, Kans, to USA Elm MAAG Taiwan, Taipei.
Goodwin, Lemuel R, Jackson, Tenn, to USA Elm Joint Comm Relay Cen, Asaka, Japan.
Oeser, Richard W, Port Washington, NY, to USASETAF.
Root, Donald G, Monterey, to Sp Tng Det, OACSI, Wash, DC, w/sta Salonika, Greece.
To Stu Det Hq Sixth USA, SF, w/sta Univ of Ariz, Tucson
From Ft Monmouth:
Ford, Chas D, jr Rishell, Clair L
Jorstad, Norman D
To Stu Det Hq Sixth USA, SF, w/sta Univ of Utah, Salt Lake City
From Ft Monmouth:
Welch, Robt E Hand, Lee M
To USA Elm MAAG, Taiwan, Taipei
Higginson, Leonard E, Ft Meade.
Rawhouser, Donald W, Centralia, Ill.
To Germany
Lewis, Donald J, Cp Gary.
Bechen, Vernon T, Wash, DC.
Wilson, Jack E, Monterey, Calif.
Morgan, James R, Ft Monmouth.
Morgan, Newton B, Ft Monmouth.
To France
Garlock, Leon M, Ft Jackson.
From Ft Monmouth:
Dudney, Chas L Nichols, Wesley G
Bandein, Wm R

1st Lieutenant
Williams, James R, Asmara, Eritrea, to Hq US ARADCOM, Ent AFB, Colorado Springs.
Faulknerberry, Charles H, jr, Anchorage, Alaska, to 2d Inf Bde, Ft Devens.
Head, Brian F, Ft Carson, to Hq USA Air Det Comd, Ent AFB.
Bartos, Robert E, Monterey, Calif, to First USA Stu Det Governors Is, w/sta Columbia Univ, NYC.
Rodgers, Thurman D, Ft Meade, to USA Elm Hq AFSE Naples, Italy.
Pugh, John W, Ft Ritchie, to Stu Det Hq Sixth USA, SF, w/sta Univ of Ariz, Tucson.

2d Lieutenant
Campbell, Robert P, Ft Devens, to US ASA Pac, Helemano, TH.
Guarino, Guy E, Ft Devens, to 508th US ASA Gp, Yongsan, Korea.
Pessin, Leo B, Ft Devens, to 9th USASA Fld Sta, Clark AFB, Manila, PI.
Cherwek, Roland A, NYC, to USA Sig Gar, Ft Monmouth.
Herberger, Kenneth S, Ft Devens, to France.
McCabe, Gerald W (AS), Arlington, Va, to US ASA Europe, Frankfurt.
Campbell, Robert P (AS), Ft Devens, to US ASA Pac, Zama, Japan.
To USA Elct Pr Gr, Ft Huachuca
Gardner, William D, Ft Benning.
Dombrosky, Francis B, Ft Hood.
Todd, Robert W, Ft Benning.

From Ft Monmouth to Station Indicated
Komiike, Patrick T, Korea.
Showalter, Robert A, Germany.
Thompson, James W, France.

ADJUTANT GENERAL'S CORPS—
Maj Gen Robert V Lee, TAG
Lt Colonel
Kobayashi, Thomas M, Wash, DC, to USA Elm Hq Allied Land Forces Southeastern Europe, Izmir, Turkey.

Senate Approves Army Generals

Twenty Army general officers were confirmed in new permanent and temporary rank by the Senate, 22 June.

Col. Jonathan Owen Seaman was confirmed for temporary appointment in the grade of Brigadier General.

Those who won permanent advancement to two-star rank are:

Lt. Gen. Paul DeWitt Adams
Maj. Gen. Leander LaChance Doan
Maj. Gen. John B. Medaris
Maj. Gen. Parmer W. Edwards
Maj. Gen. Thomas F. Van Natta
Maj. Gen. Webster Anderson
Maj. Gen. William H. Henning
Maj. Gen. Mercer Christie Walter
Maj. Gen. John C. Oakes
Maj. Gen. Stanhope B. Mason
Maj. Gen. Walter K. Wilson, jr
Maj. Gen. Russell L. Vittrup
Maj. Gen. Ralph C. Cooper
Maj. Gen. Eugene F. Cardwell
Maj. Gen. Briard Poland Johnson
Maj. Gen. Robert Highman Booth

Major
Talley, James W, Ft Belvoir, to USA Elm MAAG, Vietnam, Saigon.

1st Lieutenant
Duncan, Wayne M, Ft Riley, to 12th US ASA Fld Sta, Chitose, Hokkaido, Japan.
Yuzuk, Ronald F, Ft Benjamin Harrison, Ind, to USARMS, VA Hosp, Nashville, Tenn.

2d Lieutenant
From Ft Benjamin Harrison to Station Indicated
Barron, Archibald I, USARMS Old H and R Point, Haynesville Road, Montgomery.
Bounds, George H, jr, USARMS, Crane Bldg, 1200 Jackson St, Dallas.
Farrington, Maurice C, USARMS, North 214 Wall St, Spokane, Wash.
Mucel, Ralph S, USARMS, Sioux Falls, SDak.
Peplin, Leo A, jr, USARMS, Charlotte, NC.
Veatch, Paul K, USARMS, Beckley, WV.

JUDGE ADVOCATE GENERAL'S CORPS—
Maj Gen George W Hickman, jr, TJAG
Colonel
Lundberg, Floyd M, Ft Bragg, to Fld Judiciary Div, OTJAG USA, Wash, DC, w/sta Ft McPherson.
Beets, Walter O, San Francisco, to dy sta Heidelberg, Germany.

Major
Penfield, John B, Ft Bragg, to USA Elm Hq Iceland Def Force, Keflavik, Iceland.

Captain
Oliver, Wiley E, jr, Ft Hood, to USA Trans Term Comd, Pepperell AFB, St Johns, Newfoundland.

QUARTERMASTER CORPS—
Maj Gen Andrew T McNamara, QMC
Colonel
Landry, Wilmer C, Ft Ord, to Germany.
Lt Colonel
Hoff, Raymond L, Philadelphia, to Korea.

Major
Dobbie, Harry S, Chicago, to Metropolitan Los Angeles Area Comd, S Calif Sect XV Corps, Los Angeles.
Kelly, Thomas J, Ft Benning, to USA Elm NSA, Ft Meade, w/sta Frankfurt, Germany.

To Korea
Soroka, Alexander, Natick, Mass.
Brown, Daniel B, jr, Ft Sheridan.

Captain
Lawlor, Thomas A, Ft Lee, to Stu Det USA- CGSC, Ft Leavenworth.
Terry, Bennett E, Ft Lee, to Stu Det Hq Third USA, Ft McPherson, w/sta Univ of Ala.
Moys, Neal D, Charlotte, NC, to Philadelphia QM Depot USA, Philadelphia, w/sta Alameda Mil Clo and Textile Insp Office, Alameda, Calif.
Billingsley, Jack D, Richmond, Va, to US-ARAL.

To Stu Det Hq MDW, Gravelly Pt, w/sta Geo Washington Univ, Wash, DC
From Ft Lee:
Kirmse, George R Ross, Harry R

To Germany
Brigham, Bruce A, Lexington, Ky.
Gregg, Arthur J, Ft Lee.

1st Lieutenant
Smith, Thomas A, Ft Lee, to Co C, Stu Det, USALS, Presidio of Monterey.
Long, James L, Ft Lee, to Stu Det Hq MDW Gravelly Point, w/sta Geo Washington Univ, Wash, DC.
Rush, Karl C, Ft Lee, to Hq First USA Stu Det NY w/sta Cornell Univ, Ithaca.
Wieland, Kay L, Ft Lee, to Stu Det Hq Third USA, Ft McPherson, w/sta Univ of Ala, University, Ala.

Cooper, Joe L, Ft Lee, to Korea.

To Germany
Levinson, Stanley R, Ft Dix.
Chant, Robert J, Ft Campbell.

2d Lieutenant
Groff, Edward E, Ft Devens, to Hq US ASA Europe, Frankfurt.

From Ft Lee to Station Indicated
Malley, Vincent W, USAPERSCEN, Ft Dix.
Messaros, Gerald G, USA Gar, Ft Myer, Arlington, Va.

Army Navy Air Force Journal 25
27 June 1959 (Vol. 96, P. 1317)

Nash, George E, 2d, USA Gar, Ft McPherson.

Sutton, Robert G, Hq QM Rsch and Engr Comd USA, QM Rsch and Engr Cen, Natick, Mass.

Tewksbury, Arthur E, 4th Inf Div, Ft Lewis.

Tillmany, Jacques E, USAPERSCEN, Ft Dix.

Todd, Albert W, jr, Hq Fifth USA, Chicago.

—Continued on next page

SCHOOL AND CAMP DIRECTORY

The Schools and Camps listed below are effectively equipped to care for the educational and recreational needs of the children of members of the services and this Directory is recognized as an authentic and reliable aid to service parents in solving the problem of child education. For details as to the Schools listed in this Directory address them directly or communicate with the Army Navy Air Force Journal Dept. of Education, 1710 Conn. Ave., N. W., Washington 9, D. C.

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Col. Jos. R. Risher, Headmaster, Bamberg, S. C.

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BASIC COURSE R.O.T.C. BY U. S. ARMY INSTRUCTORS.

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Army Orders

From preceding page—

Trudell, Richard V, Hq XIV USA Corps (Res) Minneapolis.
Arwood, Thomas B, USA Chemical Corps Pr Gr, Dugway Pr Gr, Dugway, Utah.
Countryman, Milton E, Jr, Hq QM Rsch and Engr Comd USA, QM Rsch and Engr Cen, Natick, Mass.
Fowler, Charles M, USA Gar, Ft Campbell.
Harmon, Ronald C, USA Gar, Ft McClellan.
Lane, William J, Jr, USA Gar, Ft Hancock, Highland, NJ.

To Germany

From Ft Lee:
MacDonald, Gary E Bader, Robt K

Army Spends Billions On Procurement

The gross value of Army procurement was \$5 billion in fiscal '57, and rose to \$5.4 billion in fiscal '58.

Fiscal '59 figures, not yet completed, are expected to show that the procurement volume will equal or exceed the fiscal '58 dollar value.

About 80% of this procurement is contracted in central procurement offices within the United States. The remainder is for construction, by purchases in overseas areas or by local purchases at posts, camps and stations in the United States.

FINANCE CORPS—

Maj Gen Paul A Mayo, C of F

Major

Semple, Charles C, Devizes, Wiltshire, England, to FSUSA, Ft Benjamin Harrison.

MEDICAL SERVICES—

Maj Gen Leonard D Heaton, SG

Medical Corps

Lt Colonel

Bell, James A, Ft Meade, to ARMISH/MAAG Teheran, Iran.
Severance, Robert L, Ft Sill, to France.
Bradley, John L, Albuquerque, NMex, to William Beaumont AH, El Paso.

Major

Dirks, Kenneth R, Tacoma, to USAFI of Pathology, Wash, DC, w/sta Queen Alexandra Mil Hosp, Millbank, London, SW.
Santos, George C, Ft Sill, to USAH, Ft Rucker.

Berbarry, Maurice S, Ft Hood, to AFIP, Wash, DC.

Gaffney, John J, Ft Sill, to USAH, Ft Jackson.

Riley, John W, New Haven, Conn, to USAH, Ft Dix.

Captain

Hearn, R E, Ft Polk, to USA Disp, Ft Bliss.
Langston, Robt H, Ft Chaffee, to USA Disp, Pine Bluff Arsenal, Pine Bluff, Ark.
Nickey, Laurence N, Ft Chaffee, to William Beaumont AH, El Paso.

Rader, Edward S, Ft Chaffee, to USAH, Ft Leonard Wood.

Slaughter, Lee D, El Paso, to USAH, Ft Dix.

Deupree, William D, Fairmont, WV, to William Beaumont AH, El Paso.

Gaffney, Raymond A, Ft Hood, to 3d Surg Hosp, Ft Bragg, NC.

Cahill, James M, Ft Devens, to Hq USA Gar, Cp Drum, NY.

1st Lieutenant

Schell, Charles P, El Paso, to Stu Det Hq Third USA, Ft McPherson, w/sta Navy Sch of Avn Med, NAS, Pensacola.

Hunt, Walter L, San Francisco, to USAH, Sandia Base, Albuquerque, NMex.

Dougherty, Robert E, Wash, DC, to Hawaii.

Dental Corps—

Maj Gen James M Epperly, Chief

Major

Cochran, Robert I, Ft Sam Houston, to Stu Det Hq Sixth USA, Presidio of SF, w/sta Univ of So Calif Sch of Dentistry, Los A.

Foster, James K, Jr, Wash, DC, to Stu Det Hq Third USA, Ft McPherson, w/sta Univ of Ala Med Cen, Sch of Dentistry, Birmingham.

King, Thomas J, Ft Sam Houston, to Stu Det Fourth USA, Ft Sam Houston, w/sta Baylor Univ College of Dentistry, Dallas.

Maloney, Richard J, Ft Sam Houston, to Stu Det Hq Fourth USA, Ft Sam Houston, w/sta Baylor Univ College of Dentistry, Dallas.

Captain

McFarland, Paul H, Jr, Ft Sam Houston, to Stu Det Fourth USA, Ft Sam Houston, w/sta Baylor Univ College of Dentistry, Dallas, Tex.

Huckaba, Richard W, Ft Polk, to USA Gar, Ft Gordon.

Medical Service Corps—

Col Bernard Aabel, Chief

Colonel

Maxwell, Roy D, Ft Sam Houston, to OTSG USA, Wash, DC.

Lt Colonel

Wilson, George H, Schenectady, NY, to France.

Major

Taylor, Allen L, Ft Leonard Wood, to Hq USARYIS/IX Corps, Okinawa.

Wallace, Jack D, Denver, to USA Spt Gp for Korea Depn Housing, Seoul.

Thompson, Elmer L, Ft Sam Houston, to Hawaii.

Clark, William G, Ft Bliss, to Korea.

Captain

Bstandig, Paul G, Tacoma, Wash, to Hq USARYIS/IX Corps, Okinawa.

Ricacchion, Richard C, Ft Sam Houston, to USA ADGRU Ohio, Ft Hayes.

Jessee, William D, Jr, Denver, to USA Caribbean Slg Agcy, Henry Bks, Cayey, PR.

Saylor, William L, Ft Meade, to USA Disp, Ft Myer.

Cunningham, Earl C, Ft Knox, to BAMC, Ft Sam Houston.

King, Mancel W, Ft Sam Houston, to WRAMC, Wash, DC.

Boffoly, Richard L, Denver, to Korea.

To Germany

McLean, James C D, Denver.
Pierce, Gerard L, Tacoma, Wash.

1st Lieutenant

From Ft Sam Houston, to Station Indicated

Allison, James L, WRAIR WRAMC, Wash, DC.

Clark, Rudolph E, QM Rsch and Engr Comd USA, Natick, Mass.

Estela, Luis A, Fitzsimons AH, Denver.

To Korea

Bass, Bobbie R, Ft Sam Houston.
Brown, Joseph I, Ft Ord.

Rusiewicz, Lawrence L, Ft George Meade.
Maeder, Donald F, Ft Devens.

Mino, John Y, Wash, DC.
Pratt, Frank G, Jr, Ft Wayne, Mich.

Reue, David N, Phoenixville, Pa.
Santori, Luis A, New York, NY.

Timmons, John A, Jr, Ft Sam Houston.

To Germany

Cornwall, Ralph W, Ft Riley.
Murrell, Dan S, Ft Benning.

2d Lieutenant

McKay, Stephen J, Ft Lewis, to 690th Med Co, Ft Benning.

From Ft Sam Houston, to Station Indicated

Heller, Kyle M, Japan.
Ashwood, Carl R, USAH (3160-01) Ft Campbell, Ky.

Beck, Wilbur L, Jr, 54th Engr Bn, Ft Knox.
Casco, Joseph D, 2d Bg 14th Inf, Ft Benning.

Derr, John D, Fitzsimons AH (3412) Denver.

4TH ARMY WINS PLAQUE

Fourth U. S. Army has been announced as winner of a first-place plaque in the Department of the Army Incentive Awards Program.

Lt. Gen. G. S. Meloy, Jr, Fourth Army commander, speaking at the one-day Fourth Army Commanders' Conference in session at Fort Sam Houston, said the award was for having the highest suggestion adoption rate among continental armies in Fiscal 1958.

He read a letter to the assembled commanders received from General Bruce C. Clarke, U. S. Army Continental Army commander, lauding Fourth Army on its achievement.

Dickson, Richard C, 2d FA Bn 10th Arty, Ft Benning.

Frantz, Don H, USAH (3165-01) Ft Gordon.

Gilchrist, Alexander K, William Beaumont AH (3414) El Paso, Tex.

Harris, Leonard G, 2d Armd Div, Ft Hood, Tex.

Leon, Robert J, USA Disp (7004) The Pentagon, Washington, DC.

Letourneau, Donald R, 2d Inf Bde, Ft Devens, Mass.

Mehigan, John H, 3d Med Tk Bn (Patton) 33d Armd, Ft Knox, Ky.

Panlian, Jack G, USAH (1170) Ft Devens, Mass.

Ricks, James R, USAH (5017) Ft Leonard Wood.

Rosenstein, Stephen R, USAH (2164-01) Ft Eustis.

Tosatti, George S, 2d Armd Div, Ft Hood, Tex.

Wade, Lyndon A, Madigan AH (3411) Tacoma, Wash.

Wright, Wilbur E, DeWitt A H (7071) Ft Belvoir.

To Korea

From Ft Sam Houston:
Roberts, Jonathan Rolle, Rufus M

To Germany

From Ft Sam Houston:

Alexander, W W Orth, Michael P
Barnes, Hubert E Riley, Harold E
Brady, Patrick H Rolle, Cecil
Helgeson, James G Schwinker, Robert H
Meyer, William J

Veterinary Corps—

Brig Gen Elmer W Young, Chief

Major

Raulston, Gilbert L, Army Cml Cen, to Stu Det Hq Second USA, Ft Meade, w/sta Univ of Pa the Grad Sch of Med, Philadelphia.

Young, James B, Rochester, NY, to USA Med RD Comd, WRAIR WRAMC, Wash, DC.

Captain

Benson, John H, Ft Detrick, to Korea.

1st Lieutenant

Watsabaugh, Charles J, Army Cml Cen, to USA Elm Nav Actv, Wash, DC, w/sta USN Radiological Def Lab, San Francisco.

Chandler, Harold K, Ft Benning, to Japan.

Philmon, Henry, Omaha, Nebr, to Germany.

Army Medical Specialist Corps—

Col Ruth A Robinson, Chief

Captain

Price, Helen E, Denver, to Fifth USA Stu Det, Chicago, w/sta Univ of Wis the Grad Sch, Madison, Wis.

1st Lieutenant

Davis, Barbara A, Ft Devens, to WRAMC, Wash, DC.

Army Nurse Corps—

Col Inez Haynes, Chief

Major

Murray, Dorothy H, Ft Sill, to USA Spt Gp for Korea Depn Housing, Seoul.

Travers, Sadye T, New York, NY, to WRAMC, Wash, DC.

Self, Gladys B, Wash, DC, to USAH, Ft McClellan.

Brazeal, Lucy P, Phoenixville, Pa, to BAMC, Ft Sam Houston.

Koschmeider, Julia F, Wash, DC, to Korea.

Captain

Olsen, Hilda S, Ft Leonard Wood, to USA Spt Gp for Korea Depn Housing, Seoul.

Nielsen, Bernice C, Ft Rucker, to USA Caribbean Slg Agcy Henry Bks, Cayey, PR.

Barnes, Ruth E, Ft Sam Houston, to USAH, Ft Jay.

Wiedemer, George J, Jr, Jacksonville, Fla, to Korea.

Buchanan, Viva G, Ft Jay, to France.

Whitton, Margaret J, Wash, DC, to USAH, Ft Devens.

Craig, Winifred, Philadelphia, to Valley Forge AH, Phoenixville, Pa.

Beers, Inez E, Ft Leonard Wood, to US ASA Fld Sta, Asmara, Eritrea.

1st Lieutenant

Allen, Nina R, Ft Benning, to USA Spt Gp for Korea Depn Housing, Seoul.

Conroy, Kathryn H, Ft Carson, to USAH, Ft Jay.

Allison, Dorothy S, Ft Sam Houston, to WOMACK AH, Ft Bragg.

Lombardi, Gloria H, Newark, NJ, to WRAMC, Wash, DC.

Melius, Panora M, Ft Riley, to Korea.

2d Lieutenant

Salysers, Doris L, Galveston, Tex, to BAMC, Ft Sam Houston.

Gibson, Bernard E, Ft Eustis, to Korea.

ORDNANCE CORPS—

Maj Gen John H Hinrichs, C of Ord

Colonel

Black, Daniel N, Rock Island, to USA Gar, Aberdeen Pr Gr, w/sta Chicago Ord Fld Inspection Ofc, Chicago.

Lt Colonel

Aber, John E, Ft Bliss, to USA Ord Msl Comd, Redstone Arsenal.

Calvert, George L, Ft Chaffee, to Hq USA Gar, Ft Sam Houston.

Prendergast, Joseph T, Aberdeen Pr Gr, to OC of Ord USA, Wash, DC.

Smith, Lloyd G, Aberdeen Pr Gr, to USA Gar, Aberdeen Pr Gr, w/sta ORO, Bethesda, Md.

Williams, Arthur H, Jr, Redstone Arsenal, to USA ADGRU, Korea, Yongsan.

Dennis, Norman T, Wash, DC, to USA Std Gp UK, London, England.

Drewry, Guy H, Redstone Arsenal, to Germany.

To Korea

Smith, Hobart V, Redstone Arsenal.
Savage, John H, Pasadena, Calif.

Major

Walker, William A, Jr, Ft Leavenworth, to Hq USCONARC, Ft Monroe, w/sta Ofc Sp Wpn Dev Directorate, Ft Bliss.

Grace, George L, Annville, Pa, to USA Elm JUSMMAT, Ankara, Turkey.

Thureson, John D, Redstone Arsenal, to USA Elm MAAG, Vietnam, Saigon.

Carver, William H, Redstone Arsenal, to Korea.

Price, James R, Sandia Base, N Mex, to Germany.

Captain

Maxwell, Clarence M, Springfield, Mass, to USA Ord Msl Comd, Redstone Arsenal.

Moore, Dowell L, Redstone Arsenal, to USA Ord Tk-Autmv Comd, Detroit.

McRae, Robert W, Aberdeen Pr Gr, to Md USN Sch USN Powder Factory, Indian Head, Md.

Welch, Robert E, Aberdeen Pr Gr, to USA Elm USMTMSA, Riyadh, Saudi Arabia.

Back, George A, Wahoo, Neb, to USA Ord Arsenal, Milan, Tenn.

Eberhardt, Hiram C, Ft Leonard Wood, to Korea.

To Germany

Frankenburg, Francis W, Cp Drum, NY.
Land, Joe E, Jr, Redstone Arsenal.

Harvey, Owen G, Ft Meade.
Newell, Shepard B, Redstone Arsenal.

1st Lieutenant

Bradshaw, Harold D, Redstone Arsenal, to CCA 1st Armd Div, Ft Hood.

Brodt, James H, Detroit, to USA Ord Arsenal, Detroit, Center Line, Mich.

Daugherty, Gilbert R, Aberdeen Pr Gr, to USA ADGRU Korea, Yongsan.

Collins, Frederick T, Jr, Ft Lewis, to USA ADGRU, Korea, Yongsan.

Mitchell, Sim C C, Ft Devens, to USA Trans TC, Ft Eustis.

To Germany

Johnaknecht, George P, Redstone Arsenal.
Korsgaard, Walter, Ft Niagara.

To USARAF

Kratsch, Charles H, Redstone Arsenal.
Thompson, Earl F, Jr, Ft Devens.

2d Lieutenant

Coppley, Johnny R, Jr, Ft Jackson, SC, to USA Ord Tng Comd, Aberdeen Pr Gr.

From Aberdeen Pr Gr, to Station Indicated

Parlier, James E, USASETAF.
Black, Edward D, Hawaii.

Storms, Alan D, Magazine Plat 576 Ord Co, Ft Ord.

Timberlake, James O, 378th Ord Co, Cp Irwin, Calif.

Weiner, William A, 704th Ord Bn, Ft Lewis.

Jones, Morgan V, Korea.

Shea, James H, USAREAL.

Richards, Nicholas G, USA Ord Tech Intel Agcy, AHS, Arlington, w/dy sta Jet Propulsion Lab, Calif Institute of Technology, Pasadena.

Aldrian, Alexander P, USA Ord Arsenal (4424) Rock Island, Rock Island.

Grippy, Frank E, 704th Ord Bn, Ft Lewis.

Rogers, Ralph M, USA Gar (1170) Ft Devens.

Pyle, Keller W, 820th Ord Co, Ft Benning.

Seeley, Frederick B, USA Gar, White Sands Msl Range NMex.

Watkins, Richard M, USA Ord Dist, Los Angeles (4492) 55 S Grand Ave, Pasadena.

Van Dyke, Henry J, Jr, USA Ord Arsenal (4414) Picatinny, Dover.

Frese, George D, 63d Ord Det, Cp Hanford.

Weiss, John E, USA Ord GM Sch (4443) Redstone Arsenal, Ala.

To Germany

Adams, James D, Ft Lewis.
Larkin, John C A, Jr, Korea.

From Aberdeen:
Lambert, Raymond S Carter, Philemon W
Schry, James L Hamann, John F

CHEMICAL CORPS—

Maj Gen Marshall Stubbs, C Cml O

Major

Smith, Richard J, Ft McClellan, to Germany.

Captain

Burnett, Neill C, Ft Hood, to USA Cml C Sch Spt Bn, Ft McClellan.

Ballew, William F, Ft McClellan, to Hq USAAMC, Ft Sill.

1st Lieutenant

Uhrig, Richard A, Ft Bragg, to USA Cml C Sch Spt Bn, Ft McClellan.

Barry, John W, Ft Eustis, to USA CML C Pr Gr, Dugway Pr Gr, Utah.

CHAPLAINS CORPS—

Maj Gen Frank A Tobey, C of C

Lt Colonel

Almond, George W, Carlisle Bks, Pa, to Korea.

Moll, Boniface E, Ft Sam Houston, to USAAMC, Ft Sill.

Major</

Gen. First To Jump From New C-130B



MAJ. Gen. W. C. Westmoreland, Commander of the 101st Airborne Division of the U. S. Army, chats with A. C. Kotchian, vice-president and general manager of Lockheed Aircraft Corporation's Georgia Division, just before the General made the first jump from the Air Force's new prop-jet C-130 "B" model aircraft over Fort Campbell, Ky. It was the 101st jump from any plane made by the commander of the 101st Division.

Just previously, Maj. Gen. D. W. Hutchison, Ninth Air Force Commander, had formally accepted the 4,000-mile-range, Lockheed "B" Hercules prop-jet transport.

The Hercules "B" flew approximately 13 hours and 4,700 miles on its initial day of regular Air Force operations. The No. 1 plane of the advanced prop-jet is on an accelerated, shakedown flight program of 600 hours, Capt. George Norman, Commander of the 463d Troop Carrier Wing, said. The 463d was the first wing in the Air Force to receive C-130A's and was selected to receive the first of the high performance "B" models, too.

The 774th Troop Carrier Squadron won the right to use the first "B" aircraft by excelling other 839th Air Division Squadrons in performance with the C-130A. Lt. Col. Oscar N. Tibbetts, squadron commander, piloted the first "B" from Dobbins AFB, Ga., near the Lockheed plant, to Sewart AFB, Tenn.

PERMANENT PROMOTIONS—

To Lt Colonel DR 1959

6 June: Bradley, William G.
8 June: Tarrow, Arthur B; Yerg, Raymond A.
11 June: Streck, Fletcher W.
12 June: Veatch, Charles A.
15 June: Michalik, Walter J; Poor, Willard H.

To Major DR 1959

5 June: Protsman, Ward E; Lochry, Robert R; Hegenberger, Robert F; Cummings, Handford L, Jr; Fitzpatrick, Hal L; Hynds, Wallace G, Jr; Bond, George F, Jr; Baker, Paul, Jr; Holden, Gifford M, Jr; Warren, Henry L; Stoer, John S; Stebbins, Albert K, 3d; Richards, John E; Johnson, Maxwell O, Jr; Knolle, Byron F, Jr.
Russell, Kendall; Lish, John F; Nichols, Offa S, Jr; Preston, William T; Reints, James A; Foley, Roland D, Jr; Marvin, Frank F; Maynard, Harry L; Jarrell, William R, Jr; Clark, Charles W; Marlow, Bobby L; Duvall, Robert E; Brewer, Martin H; Farris, Kelton M; Coffey, John W, Jr.
Townsend, James B, Jr; Macwherter, John B; Draper, Frank W; Jones, William A, 3d; Thompson, Alfred G; Crouch, Jack G; Manlove, William R; Williams, George A, Jr; Smith, Vernon M; Neville, Albert R, Jr; Basham, Ray S; Moran, William K, Jr; Swain, Harold D, Jr; Skelton, Chester A, Jr; Barnett, Charles E; Davies, Franklin C; Stick, Henry H; Valpey, Robert G; Parrish, Anthony R; Attinger, Frank S, Jr; Thompson, Charles E.
Beck, Jennings B.
1st Lieutenant
Gaylord, John F, Jr White, James H
Detore, James V, Jr

—Continued on next page

MILITARY POLICE CORPS—

Maj Gen Haydon L Boatner, PMG

Colonel

Konopaska, Royden A, Ft Hood, to Hq Kans Sector XVI USA Corps, Topeka.

To Korea

Hammonds, Vernon, Oklahoma City.
Sullivan, Robert E, Chicago.

Lt Colonel

Gibson, Henry W, Wash, DC, to Hq and Hq Co Comd and Con Bn 101st Abn Div, Ft Campbell.

To Korea

Olson, Leonard A, Wash, DC.
Owens, Frederick J, Ft McPherson.
Wallace, Winston E, Ft Gordon.

To Germany

Hilliard, Lee H, Ft McPherson.
Jessen, Raymond E, Ft Leavenworth.
McGowan, James F, Ft Gordon.
Buerschinger, Harold F, Ft Lee.

Major

Stanislo, Nick G, Palo Alto, to 503d MP Bn, Ft Bragg.
Stone, Lloyd E, Ft Mason, to USA Engr Dist Trans East, Med Div, Karachi, Pakistan, w/sta Sargodha, West Pakistan.

To Korea

From Ft Gordon:
Doebelin, Robert E Tuttle, Lawrence D

Captain

Adams, Arlye D, New York, to 82d Abn Div, Hq and Hq Comd and Con Bn, Ft Bragg.
Plumb, John F, Ft Meade, to Hq Fifth USA Stu Det, Chicago, w/sta Michigan State Univ, East Lansing.
Porter, Harry, Jr, Ft Gordon, to USA Gar, Ft Hancock.

To Korea

Gorman, Thomas J, Jr, Albuquerque, NMex.
Hall, Daniel E, Ft Leavenworth, Kans.
Kelly, Patrick G, Ft Gordon.
Kurz, Donald A, Ft Gordon.
Lovell, John B, Lompoc, Calif.
Wetherington, Lonnie Z, Jr, Ft Gordon, Ga.

To Germany

Haner, William E, Killen Base, Tex.
Henderson, Edward E, Ft Knox.

To France

Coburn, William T, Ft Gordon, Ga.
Dillard, Ralph E, Jr, Sandia Base, NMex.
Lococo, Paul, Ft Dix, NJ.
Robinson, Albert F, Ft Gordon, Ga.
Stromfors, Robert E, Ft Gordon.

1st Lieutenant

Sallee, John W, Ft Gordon, to USASETAF.

To Korea

Weinstein, Kenneth, Ft Carson.
Weinstein, Saunders, Ft Carson.

To Germany

Dixon, James I, Jr, Ft Sheridan.
Walton, LeRoy, Ft Devens.
Goodman, Roland A, Ft Dix.
Marder, Everett J, Ft Hood.
Bair, Thomas F, Ft Hood.
Cromartie, Eugene R, Ft Carson.
Bell, Fred V, Ft Riley.
Dahl, John F, Ft Ord.
Hudson, DeWitt H, Jr, Ft Dix.
Humphrey, Raymond F, Ft Devens.
Jones, Gilbert E, Jr, Ft Ord.
Loomis, Robert W, Ft Ord.
Lucas, Ronald M, Ft Carson.
Morrissey, John J, Jr, Ft Dix.
Nix, Crispus C, Ft Ord.
O'Brien, Robert A, Jr, Ft Devens.
Parrack, Jim M, Jr, Ft Ord.
Patrick, Burton D, Ft Jackson.
Randall, Douglas A, Ft Riley.
Sanford, Thomas H, Ft Lewis.
Gardner, Eli, Ft Ord.

To France

From Ft Gordon:
Brokaw, Francis L Osborne, Robert L

2d Lieutenant

To Germany

Reilley, James J, Ft Dix.
Reynolds, William H, Ft Leonard Wood.

WOMEN'S ARMY CORPS—

Col Mary L Milligan, Director

Major

Weinbrenner, Billie M, Ft Meade, to Germany.

2d Lieutenant

Cooper, Alice E, Ft Sheridan, to USA Ret Main Sta, Seattle.
Davis, Patricia S, Ft McClellan, to USA Gar, Cp Wolters.

USAF Orders

From page 11—

Garrigus, Norman F, Ohio State Univ, Columbus, course in Electrical Engineering (Electronic countermeasures); att Wright-Patterson AFB, for flying.
Duffy, Ann, Hq 1503 Air Trnsf Wg (Hvy), MATS, APO 323, SF.

Captain

Cutbirth, Jack W, Augusta, to 7th Arty Gp, Thule, Greenland.
Rowan, Joseph C, Ft Campbell, to USARCARIB (Panama).
Murphy, Ralph J, Ft Knox, to QM Tng Comd, USA, Ft Lee.
Griffin, Walter E D, Ft Rucker, to Germany.

1st Lieutenant

Webb, Robert B, Jr, Norfolk, to USARCARIB (Panama).
Tolentino, Thomas J, Ft Benning, to Korea.
Pasco, John C, Ft Campbell, to Germany.

TRANSPORTATION CORPS—

Maj Gen Frank S Besson, Jr, C of T

Colonel

Ison, Frank S, Seattle, to Korea.
McAleer, William A, Brooklyn, to Hq USA Trans Term Comd Pac, Ft Mason.
Crowley, John D, Jr, Ft McNair, DC, to OCFT USA, Wash, DC.
Gough, Arthur D, San Francisco, to Hq USATTCP, Ft Mason.
Tuggle, William P, Jr, St Louis, to USA Trans Tng Comd, Ft Eustis.

Lt Colonel

Hamilton, Ernest L, Ft Ord, to Hq USAR PAC, Ft Shafter, TH.
Delaney, Arthur W, Erie, Pa, to USATTC, Ft Eustis.
Van Orne, Ronald W, Detroit, to OCOFT USA, Wash, DC.
Gilbert, John A, Ft Rucker, to Hq USA Trans Term Comd Arctic, Pepperell AFB, St John's, Newfoundland.
Gates, John L, Ft Sam Houston, to Korea.

Major

Bennett, William R, Ft Eustis, to Hq TUS LOG Det 33, APO 254, NY.
Noreen, Albert T, Wash, DC, to USA TRANS Intel Agcy, Arlington Hall Sta, Arlington, Va.
Murray, Stephen S, Syracuse, NY, to Hq USA Trans Sup and Maint Comd, St Louis.
Donovan, Gordon J, Oakland, Calif, to USA Trans Terminal Agcy, Seattle.
Spurrier, Robert F, Pine Bluff Arsenal, Ark, to USA Elm MAAg, Taiwan, Taipei.
Reynolds, Robert H, Ft Eustis, to Ft Worth Gen Depot USA, Ft Worth.
White, Lee A, Ft Mason, to USA Trans Term Agcy, Seattle.
Scheer, James H, Monterey, Calif, to OUS ARMA Am Emb, Saigon, Vietnam.
Londner, Bernard, Ft Eustis, to Germany.
McKenna, Michael D, Ft Eustis, to Korea.

To USA Trans Sch, Ft Eustis

Grevett, Harry C, Portland, Ore.
Agee, Joe H, Wash, DC.

Captain

Guelzo, Carl M, Monterey, Calif, to Hq MTMA, Wash, DC.
Montague, Robert V, Ft Churchill, Canada, to Hq USA Gar, Ft McNair, DC.
Billman, Ervin L, Lansing, Mich, to USA Trans Sup and Maint Comd, St Louis.
Carroll, Murray L, Knoxville, Tenn, to USATTC, Ft Eustis.
Curry, Paul R, Ft Belvoir, to Lawson Army Avn Comd, Ft Benning.
McClellan, William B, Columbus, O, to USATTC, Ft Eustis.
Van Landuyt, Dixon D, Ft Eustis, to USA Instr Gp, Delaware, Wilmington, w/sta New Castle, Del.
Barrow, Robert D, Ft Riley, to USA Elm JUSMAG, Thailand, Bangkok.
Boling, Donald E, Ft Eustis, to 48th Trans Co, Atlanta Gen Dep, Ga.

To Korea

Elmer, Bryce L, Ft Dix, NJ.
Love, John A, Ft Rucker.

To Germany

Janifer, James V, Ft Riley.
Stein, Henry J, Cp Leroy Johnson.

1st Lieutenant

Mayes, Floyd B, Ft Eustis, to Hawaii.
Harper, Homer F, Ft Ord, to USA Trans Resch and Engr Comd, Ft Eustis.
Milan, Richard L, Ft Eustis, to USA Gar, Ft Benjamin Harrison.
Robertson, Gene W, Ft Eustis, to 33d Trans Co, Ft Ord.
Baxter, Richard R, Ft Eustis, to 48th Trans Co, Atlanta Gen Dep, Ga.
Powlen, Lester J, Jr, Ft Eustis, to 48th Trans Co, Atlanta Gen Dep, Ga.
Wandall, William M, Ft Eustis, to Germany.

To Korea

Parker, Murray E, Ft Carson.
Jones, Robert A, Ft Eustis.

2d Lieutenant

Warr, Sherrill D, Ft Eustis, to France.
Adler, James M, Ft Eustis, to 48th Trans Co, Atlanta Gen Dep, Ga.

To USA Trans Acft Test and Spt Actv, Ft Rucker

From Cp Gary:
Barksdale, Lewis B Mackenzie, Douglas C
Irish, Robert L

To Germany

Howard, Ronald D, Ft Story.

Berlin Hercules Flights Above 10,000 Feet Are Urged By USAFE Commanders

RAMSTEIN, GERMANY
TOP commanders of U. S. Air Forces in Europe, who 11 years ago this week launched the Berlin Airlift on 26 June 1948, are concerned in the early summer of 1959 because of restrictions imposed on current air operations to that city.

In a candid session with visiting U. S. newsmen here at USAFE's Advanced Echelon, Maj. Gen. Gabriel P. Disosway said that "as an operator I would like to make at least weekly flights to Berlin above 10,000 feet."

General Disosway explained that the Lockheed Hercules C-130, which would certainly carry a large brunt of any future airlift, functions most efficiently and economically at altitudes of 20,000-27,000 feet.

Repeatedly stressing that he had no intention to take issue with the State Department action in banning the high-level flights, General Disosway nonetheless did not seek to evade confirming the fact that USAFE has been

urging that they be allowed, in conformity with our rights to use the air corridors to Berlin, to fly at optimum altitudes.

Secretary of Defense McElroy said at a recent news conference that we would send flights to Berlin above 10,000 feet whenever it suits our requirements.

The Defense Secretary was making it known that the U. S. has a clear right to make flights at these altitudes in accord with previous agreements reached with the Soviets. But there have been only two announced high-level flights.

Whatever the diplomacy and the impact of the Geneva meetings, General Disosway pointed out that USAFE needs to obtain more experience in such matters as communications and radar control with the C-130's at their normal altitudes in flights to and from Berlin and that this experience can be obtained only by frequent flights above 10,000 feet.

USAF Orders

From preceding page—

son, Earl M.; Holway, Orlando, 3d; Gilbert, William F.; Ford, Ralph J., jr.; Allen, J. F., jr.; Gandy, Charles L., jr.; Adams, Samuel B., jr.; Chickering, John B.; Lindsay, Robert G.; Spear, Shelton G.; Minor, Richard B.; Webster, Robert M., jr.; Golden, James R.

Patrick, Harry R.; Avery, Charles J.; Davidson, Kingdon A.; Lake, Robert G.; Munyon, Edgar M.; Wood, William S.; Craig, William B.; Rafalko, Edmund A.; Marston, Roy L.; Rupert, Charles B.; Pauly, John W.; Giles, James A.; Field, David M.; Nichols, Edgar W.; Campbell, John W., jr.; Cobb, Henry L., jr.; Davis, Ernest J., jr.; Hoffman, Jack N.; Ledford, Joseph D.; McGlynn, William E.

Patterson, Archie R., jr.; Berger, George C.; Gatlin, Jesse C., jr.; Tallafiero, Russell E.; Daubert, Charles I.; Ludlow, John D.; Thayer, Frederick C., jr.; Wayne, James C.; Galligan, Walter T.; Bissell, Donald R.; Simpson, William S.; Perez, Richard A.; Blessley, Rowland C. W., jr.; Rouch, James J.; Jackson, Kenneth L.; Mason, Edward J.; Sherwood, John W., jr.; Werner, Kenneth H.; Trimble, Robert F.; Kellum, Edwin G.

Knight, John J.; Moran, Charles E.; Puchrik, Augustine S.; Mason, James G.; Seeger, Charles M., jr.; Linton, Clarence L.; Bartron, Robert S.; Morris, James D. M.; Wildman, Winthrop W.; Dillard, Walter B., 3d; Nelson, Daniel J.; Peterson, Lorrin C.; Minckler, Homer R.; Farr, James T.; Byron, Joseph R.; Callahan, John A.; Flite, Theodore M.; Coulahan, John E.; King, Nat D.; Bruton, Earl D., jr.; Hurdiss, Richard W.; Croal, Ralph F., jr.; Martin, Louis L.; Foster, Ivan L., jr.; Miller, Roger E.; Findell, Max; Beezley, Jacques G.; Wilkinson, Earl V., jr.; Heard, Randolph C.; Evans, Robert A.; Pulliam, Marshall; Liebel, John P.; Brett, Devol; Sauer, Norman G.; Carter, Walter A., jr.; Spiegel, Morton; Walker, Harry G., jr.; Blesse, Frederick C.; Froede, Alexander O., jr.; Lilley, Leonard W.; Perry, Daniel C.; Stables, Stewart S., jr.; Bullard, Paul K.; Shaffner, George E.; Blue, Alfred D.; Drake, Harry; Pugh, Wilbur R.; Nash, James S.; Rochfort, Robert E.; O'Neal, Joseph T.

Gerald, Walter L., jr.; Wilcox, Lyman S.; Curtis, Thomas H.; McCance, Donovan L.; Broughton, Jack M.; Farr, Daniel E., 2d; Blood, Kenneth T., jr.; Newbold, Rodney H.; Williams, James C.; Moore, Richard R.; Welch, Fred S., jr.; Shipp, Warren C.

6 June: Hippert, Robert D.; Meleky, John, jr.; Spies, Erwin R.; Gillespie, Elmer F., MC.

7 June: Johnson, Jesse H.; Moore, Winston E.; Reid, Addison T.; Denny, Dean L.; Moore, Alvin G.; Haynes, Robert M.; Jernigan, James A., MC; Stull, Fred E., jr., MC; McChesney, John A., MC; Ward, Richard J., MC; Smith, Robert B. W., MC; Smith, Milton J., MC; Ortiz-Gordillo, Edgardo, MC; Lee, Donald S., DC; Segreto, Vincent A., DC.

8 June: Quinlan, William E.; Heath, Robert C.; McDonald, Shuford W.; Scripser, Lyman J., MC; Peterson, John A., MC; Frey, William A., MC; Roth, Louis H., DC; Hayden, Max W., DC; Mills, Margaret J., MC.

9 June: Jablonski, Theodore M.; Baldwin, Richard A.; Dorgan, Harold K.; Carmichael, Gordon F.; Naldrett, Richard A.

10 June: Rose Anthony J.; Buss, David H.; Sperry, Harry C.; Stavig, Paul H., MC; Cocks, George R., MC; Sturtevant, Harwood N., MC; Zellmer, Robert W., MC.

11 June: Bifford, William E.; Croy Roy R., jr.; Hensler, Nestor M., MC; Sullivan, Dennis J., MC.

12 June: Moeller, Robert L.; Miller, Lloyd G.; Rix, Paul A.; Hosler, William W., jr.; Hood, Robert F., MC; Melvin, Walter W., jr., MC; Wuesthoff, Hubert E., MC.

13 June: Welbes, Alvin M.; Goodman, Richard M.; Banning, George S., jr., MC.

14 June: Lemay, George D.; Elton, Albert M.; Huyser, Robert E.; Richards, James B., jr.; Hood, Richard H., jr., MC; Eggertsen, Paul F., MC; Jones, Edward, DC.

15 June: Lubner, Marvin; Cheeseman, Sumner A., MC; Cook, Ferris E., jr., MC; Hartmann, Ernest R., MC; Wartella, Stephen, jr., MC; Robards, Robert E., MC; Inness-Brown, Hugh A., MC; Nixon, James E., MC; Stumpe, Alfred R., MC; Straub, Lee F., DC; Askinas, Samuel W., DC.

To Captain

DR 1959

3 June: Julian, Thomas A.; Shields, William L., jr.; Brickel, James R.; Welsh, Leland M.; Webb, Carl R.; May, David C., jr.; Kirk, William L.; Streett, James K.; Studabaker, William A.; Smith, Roy B.; Gay, Robert A.; Stafford, Thomas P.; McEwen, Thomas C., jr.; Bryan, Charles W.; Bridgman, Charles J.; Winne, Clinton H., jr.; Hobbs, Thomas H.; Sullivan, James H.

Girard, Raymond F., jr.; Denfeld, Richard E.; Skantze, Lawrence A.; Givens, Edward G., jr.; Dimon, George H., jr.; Ivers, James H.; Mauldin, Mack, jr.; Elsie, Donn F.; Bulger, Joseph A., jr.; Pahre, Elmer G.; Johnson, Roger W.; Johnson, Lawrence D.; Smith, James H.; Erdle, Phillip J.; Kelsey, Thomas L.; Strickland, Robert N.

Hester, Keete L.; Seils, John R.; Dunn, William W.; Winger, Robert F. C.; Hilland, Carl B.; Knaggs, John C.; Kelley, Robert N.; Leonard, Edward J.; Brown, Bruce K.; Schwartz, John W.; Mitchell, Harry M.; Kubal, George J.; Ralph, John E.; Craig, Robert J.; Piskowicz, Joseph; Jensen, Donald E.

Kendall, Robert B.; McInerney, James E., jr.; Pimentel, Frank T.; Rounding, Robert C.; Stockdale, Wendell B.; White, Edward H., 2d; Mulcahy, Richard T.; Simonet, Kenneth A.; McLemore, John R.; Anderson, Mason E.; Moore, Thomas W., jr.; Portney, Joseph N.; Underwood, James E.; Lyons, Richard C.; Loeschner, Theodore R., jr.; Hunt, Harvison. Prueher, Rol, jr.; Naber, Gerald J.; Masi, Joseph L.; Kronlund, Kenneth H.; Hall, Richard J.; Kingsley, Glennon M., 2d; Collins, Michael; Rottler, William D.; Austin, Joseph C.; Richter, Edward B.; Allen, John H.; Reeves, James H.; Owens, Robert A.; Rohr, Davis C.; Hutton, John E., jr.

Rentschler, Russel R.; Snodgrass, Clyde W.; Tacke, Raymond L.; Koestner, Raymond F.; Woodward, Robert D.; Tallman, Oliver H., 2d; Richardson, Donald L.; Dickey, Roy S.; Maddocks, Preston T.; Lester, George W., jr.; Luther, Charles J.; Conover, John C.; Morgan, John R., jr.; Shelgren, Robert N.; Cook, Jack W.; Rollison, John P.; Robinson, John F.

Saxer, Richard K.; Cosner, Wendell E.; McCoy, Richard E.; Howell, Robert L.; Noell, Paul E.; Baldner, John L.; Munson, Clarence N.; Moravec, Robert; Delaney, William J.; Hubell, Robert E.; Payne, Dwight E.; Youree, Charles D., jr.; Miller, Francis H.; Young, David D.; King, Edwin H., jr.; Schultz, Ernest G.; Sjaastad, Gerald D.; Larimer, Walker A.

Lusby, William A., jr.; Lay, James O.; McClung, Thomas J.; Churchill, Louis L.; Burch, Robert M.; Ortiz, Marvin; Niblack, Emmett A., jr.; Hester, Harold H.; King, Robert B.; Gordon, William D.; Craine, Robert L.; Smith, William A.

Maxson, William B.; Berry, Roy N., 2d; Rodeen, James; Read, Charles H. W., jr.; Kutz, Gerald A.; Kellit, Francis X.; Beauregard, Theodore H.; Quinn, James L., jr.; Landon, William D.; West, Henry M.; Marchand, Jean M.; Carter, Henry F.; Rider, Graham W.; Bingham, William P.; Macomber,

Victor K.; Morrin, Richard B.; Carione, Robert A.; Johnson, Paul W.

Woodward, James W., jr.; Stephens, John P.; Freeman, Robert F.; Bakke, Thomas N.; Carey, Gerald J., jr.; Bower, Joseph E.; Troske, Erwin E., jr.; Hamilton, Ernell C., jr.; Daniels, Edward E.; Rule, George L., jr.; McFeeters, James R.; Fuelling, Paul W., jr.; Evans, William A., jr.; Reichmuth, Charles F.; Mathers, Robert G.; Griffing, Donald A.; Barton, Donald W.

Bartley, Robert P.; Ballou, Charles D.; Richardson, Robert B.; Eames, Eugene G.; Fischer, James E.; Swanson, Stanley R.; Haaren, John A.; Hines, Frank L.; Severs, George E.; Liontas, Nicholas A.; Smith, Jimmy L.; Williamson, Donald N.; Sorrentino, Michael L.; Henderson, William S., jr.; Vining, Robert W.; Smyth, Robert T.; Lepthien, William G.

Knapp, Walter C.; Panchisin, John E.; Bernier, Francis W.; Stolle, Thomas J.; Ludlam, Douglas G., jr.; Shaw, Ronald G.; Webster, Sherman L.; Baker, Richard J.; Honaker, Jimmie S.; Price, George E., jr.; Bell, Robert G.; McKinley, Jack S.; Dow, Maynard W.; Link, James F.; Waldrop, William T.; Tanguy, Robert B.; Hewitt, Lester R., jr.; Mack, John.

Simon, Joseph S.; Guzman, Santiago, jr.; Oliphant, Marcus R.; Smith, Ferris M.; Boone, Daniel; Brooks, Loren R.; Simmons, Raymond C.; O'Grady, John F.; Martin, Arthur T.; McClelland, William J.; Crehan, Alfred E.; Falgoust, Jean B.; Funston, Frederick, 3d; Nortness, John F.; Craig, Thomas J.

6 June: Gaylord, Frank E.; Shannon, Roger H., MC; Rhoads, John C., MC; Baker, Donald D., MC; Johnston, Glen P., MC; Higgins, Warren H., jr., MC; Blackwelder, Theodore F., MC; Rosen, Edwin B., DC.

7 June: Matson, Allan H.; Eller, Charles; Gould, Howard R., MC; Rosenthal, Alfred R., MC; Kahane, Albert J., MC.

8 June: Kayloe, Alvin; Peckman, Dale B.; Austin, Arnold D.; Glover, Ridley M., MC; Tierney, Ralph C., MC; Neri, Anthony S., MC; Graven, Stanley N., MC; Taylor, Claude A., jr., MC; Broer, Robert A., MC; Sutherland, Robert R. H., DC; Sharbondy, Gary P., DC; Body, Charles D., DC.

9 June: Smathers, Paul E.; Hansrote, Lawrence S.; Deutsch, Jeffrey S.; Lockamy, Vance M., jr.; Cheatham, Daniel W., jr.; Covington, Richard E.; Bultmann, Edward H., jr.; Zink, David D., 2d; Baxter, David A.; McIntire, Scott W.; Wood, John T.; Giltner, William C.; Roberts, Lee W.; Rejent, Henry W.; Ford, Russell K.; Earney, Lyle P.; Pulliam, Andrew F.; Klegman, Melvin; Oliphant, Manfred M., jr., MC; Williamson, Robin A., MC; Braum, Stephen T., DC; Yent, George D., jr., DC; Darrington, William J., DC.

10 June: Putnam, James O.; Wingerson, Richard C.; Welch, Jasper A., jr.; Burkholder, William R.; Black, Gareth H.; Shannon, Billy E.; Kephart, Roy H.; Flesner, Vernon L.; Grant, Robert R.; Eisenberg, Henry M., MC; Merwin, Charles F., MC; Hart, Joseph B., MC; McCaughan, Charles E., Ch.

11 June: Hunsicker, Thomas O.; Springer, Winnifred A.; Fields, Richard L., MC; Heisder, Ervin W., MC; Addonizio, Dominick J., MC; McPhaul, John J., jr., MC; Mariorenzi, Amedeo L., MC; Andrus, Clair W., DC; Sheneman, Jack R., DC; Audette, Gerald A., DC; Siros, Raymond J., DC.

12 June: Coppock, Edward T.; Dougherty, Russel J., jr.; Lotz, Cyril C., jr.; Chamberlin, Alton E.; Moore, James H.; Bonar, Ann H.; Adams, Bob R.; Hunt, Mansfield E., Ch.

13 June: Morgan, Robert W.; Hastler, Russell C., jr.; Mitchell, James K., jr.; Albright, John R.; Letourneau, Vernon R.; Hull, Rolland G.; Kershaw, Junius H., jr.; Beaudoin, David K.; Breneman, James M.; Dean, William E.; McCallister, Frank W., jr.; Joster, Joseph J., 3d; Cobau, Charles D., MC; Roth, Bernhard P., MC; Dadds, John P., MC; Harer, William B., jr., MC; Floyd, John, MC; Wamsley, James R., MC; Jones, Frederick L., jr., MC; Tarter, Robert C., MC; Powsner, Henry J., MC; Swelgard, Charles B., jr., MC; Reynolds, James F., MC.

14 June: Costin, Mina P.; Campbell, Richard H.; Tollerud, Gordon D.; Parker, Alton B., jr.; Dyer, Leslie R., jr.; Winchell, Gerald J.; Cassidy, Thomas J.

15 June: Phillips, Frederick S., sr.; Owens, Sylvia G.; Rexford, William S.; Wortman, Joseph B.; Fessenden, Delmore L.

To 1st Lieutenant

6 June: Richmond, Earl H.; Everman, Russell D.; Belden, David L.; Mandell, Harold; Dopler, Edward F., jr.; Maupin, Robert E.; Pavik, Alvin L.

7 June: Holmquist, Carl F. A.

8 June: Tillotson, David, jr.

9 June: Preys, Albert E.; Kerby, Robert L.; Monczewski, Matthew E.; Knagenheim, Ludwig W., jr.; Panczyk, Raymond K.

13 June: Austin, Larry M.; Moore, Joseph D.; Walters, Alan B.; Cleveland, Stuart E.; Davis, Robert F.; Holley, Tilden S.

14 June: Hillier, Ronald L.; Hays, Cloyd A.

15 June: Smith, Clarence T.; Maggard, Harold C.; Pelt, Ernest E.; Geiger, Robert B., jr.; Pulos, Christo D.; Stinson, Thomas W.; Avery, Beatrice B.

To CWO, W-4

DR 1959

7 June: Frye, Lexie.

8 June: Robinson, Walter W.

12 June: Greer, Willis B.

13 June: York, Leo L.

14 June: Terrell, Richard V.

To CWO, W-3

8 June: Platt, Robert B.

9 June: Hunt, William J.

13 June: Huntley, George M., jr.

14 June: Bales, William T.

15 June: Baldwin, Donald N.

TEMPORARY PROMOTIONS—

To 1st Colonel

DR 1959

31 May: Summers, Clifford L.

12 June: Herbst, Maurice F.

To Major

29 May: Todd, Robert F.

15 June: Mallie, Earle J., MC.

REGAF PROMOTIONS CONFIRMED—

To Major

Bethell, Hoyt C. Morris, Morgan P.
Terrell, James H., jr. Snodgrass, Clyde W.
Davilaaponte, Luis A. Thomas, F. E., NC
Howell, Robert L.

REGAF APPOINTMENTS—

Captain

Olson, Robert O. Holmes, Edgar A.

1st Lieutenant

Meeks, Gerald E.

2d Lieutenant

Ballew, Glynn Ivy, Ronald L.
Barnes, George L. Rans, Donald L.
Chaplin, Richard C. Ray, Edward L., jr.
Clarke, Samuel H., jr. White, James E.
Doyle, Raymond E., jr. Jame, Charles E.
Hoy, Thomas E.

HONORABLY DISCHARGED—

Van Duyn, Maj Charles M.

England, 1st Lt Robert T.

DeWitt, 2d Lt John H., III.

AIRMEN TRF TO AFRES & ASG

STANDBY STATUS—

Yesenik, M/Sgt Max P.; Etheridge, M/Sgt James D.; Frantz, M/Sgt John H.; Glenn, M/Sgt Leroy; Hale, M/Sgt Harold F.; Hallum, M/Sgt Belford F.; Harston, M/Sgt Cone C.; Johnston, MSgt Omer D.

McCarthy, M/Sgt Joseph; McNamee, M/Sgt Merlin W.; Moore, M/Sgt John T.; Permenter, M/Sgt Jack C.; Price, M/Sgt Frank; Rogers, M/Sgt Frank H.; Roof, M/Sgt Harold W.; Schroeder, M/Sgt Milton L.; Slone, M/Sgt William C.; Wirth, M/Sgt Jerome K. Wisecup, M/Sgt Gerald S.; Cash, T/Sgt Surry J.; Goodrich, T/Sgt Grant G.; Emerson, S/Sgt Charles A.; Bolsky, M/Sgt John N.; Hudson, M/Sgt Alvin G.; Hughes, M/Sgt Wood, jr.; Moore, M/Sgt Thomas E.; Phillips, M/Sgt Raymond F.; West, M/Sgt Orville N.; Cantrell, M/Sgt Sylvester.

Crossno, M/Sgt Gladen W.; Curtis, M/Sgt Theodore J.; Gernand, M/Sgt Joe W.; Hackerson, M/Sgt Lyle D.; Harrelson, M/Sgt Joseph L.; Maxwell, M/Sgt Edward B.; Mayer, M/Sgt Clyde C.; Terry, M/Sgt Marvin M.; Allen, M/Sgt Cecil A.; Ball, M/Sgt Leonard F.; Carter, M/Sgt Clarence C.; Davis, M/Sgt Uriah J., jr.; Ellison, M/Sgt Jack; Fisher, M/Sgt Walter O.; Guidas, M/Sgt Matthew J.; Kalmbach, M/Sgt Edward; Kersh, M/Sgt Benjamin E.; Lindsey, M/Sgt Robert S.; Long, M/Sgt Gwyn A.; Lott, M/Sgt Wallace E.; Martz, M/Sgt John H.

McKinney, M/Sgt Eugene R.; Peterson, M/Sgt Grady J.; Rodman, M/Sgt James; Rush, M/Sgt John E.; Turner, M/Sgt Louis; Cloud, T/Sgt Russell C.; Digiacomo, T/Sgt John M.; Lanning, T/Sgt Clarence M.; Bittenbender, S/Sgt James, jr.; Kerrigan, S/Sgt Gerald C.; Mitchell, S/Sgt William F.; Perry, S/Sgt Harold R.; White, S/Sgt Roger D.; Andersen, M/Sgt Edward J.; Bobbs, M/Sgt Richard M.

Colebourn, M/Sgt William G.; Doughty, M/Sgt Joseph L.; Dulude, M/Sgt Raymond H.; Garrett, M/Sgt Warren A.; Lang, M/Sgt Maurice P.

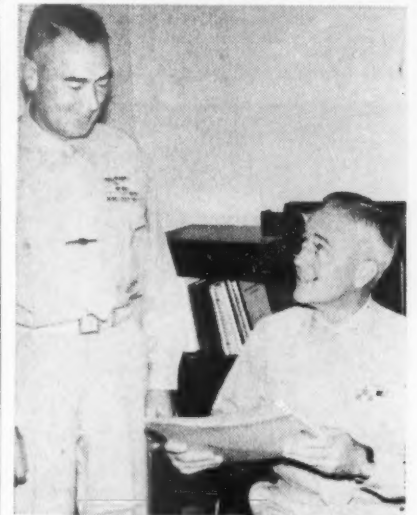
Bolin, M/Sgt Alfred W.; Boutain, M/Sgt Robert P.; Bridges, M/Sgt Jarrell; Hale, M/Sgt John R.; Hamilton, M/Sgt David C.; Hastings, M/Sgt Clifford L.; Houlihan, M/Sgt John L., jr.; King, M/Sgt Reuben B.; Shirey, M/Sgt Robert A.; Terry, M/Sgt Earl M.; Totty, M/Sgt Abner J., jr.

Van Meter, M/Sgt Garland C.; Velotta, M/Sgt George L.; Vestal, M/Sgt Arlie C.; Yuhas, M/Sgt Joseph; Bass, M/Sgt Fay M.; Champlin, M/Sgt Floyd J.; Fowler, M/Sgt Raymond F.; Hoover, M/Sgt Harold H.; Tschirhart, M/Sgt Sylvan S.; Willig, M/Sgt Leroy J.; Wilson, M/Sgt Eddie; Harvell, T/Sgt Verdyce V.; Riley, T/Sgt Robert J.; Drake, S/Sgt Forrest L.

Barron, M/Sgt Henry E.; Bass, M/Sgt Woodrow W.; Christopher, M/Sgt Richard W.; Cork, M/Sgt Arthur C.; Covert, M/Sgt Howell M.; Gayetsky, M/Sgt Joseph, jr.; Johnson, M/Sgt Albert C.; Murney, M/Sgt Leon W.; Morse, M/Sgt Robert J.; Murphy, M/Sgt James B.

Notartomaso, M/Sgt Michael J.; Stoner, M/Sgt Joseph H.; Voight, M/Sgt Eugene C.; Whitfield, M/Sgt Jack C.; Williamson, M/Sgt Carlton T.; Cunningham, T/Sgt Olan B.; Hamilton, T/Sgt Clyde E.; Kline, T/Sgt

CofS, 1st Marine Brig.



COL. PAUL J. FONTANA, USMC (left, above), has relieved Col. George A. Roll (right) and assumed duties as chief of staff, 1st Marine Brigade, Kaneohe, Hawaii.

Earlier, Col. Fontana had relinquished command of Marine Aircraft Group-13 to Col. Frank E. Hollar during a formal parade and review ceremony.

Col. Roll and his family left aboard the Lurline enroute to his new assignment with the National Security Council in Washington, D. C.

Col. Hollar will serve as interim-commander of MAG-13 until the arrival of Col. William G. Thrash in July. Col. Hollar is slated for transfer in the near future to the 3d Marine Aircraft Wing, El Toro, Calif.

Kessler, Richard J. NAVHYDROFC SUITLAND; to USS PURVIS.
McCook, John A. USS WILLIAM C LAWE; to BUORD.
Mitchell, John E. USS AMMEN; to CRUDES PAC.
Morey, William C. jr. HELANTISUBRON NINE; to FAIRQUONSET.
Morris, Charles W. USS APACHE; to OFC OF INSMAT MILW.
Nevitt, Fred M. jr. FASRON EIGHT; to FITRON 121.
Pisarczyk, Mary-R (NC), NAVDISP MARE; to NAVHOSP CORPC.
Schlaack, Eugene, USS SARATOGA; to FASRON 108.
Schumacher, Elmer A. CO NCSO OFC BAHRAIN ISLAND; to BUPERS.
Speaker, Richard B (MC), NAVHOSP BAIN; to NAVHOSP CHASN.
Stewart, Hal B. FASRON 116; to NAS ALAMEDA.
Waddell, Henry M. jr. NAVORDTESTU AF MISSILE TESTCEN PATRICK AFB; to USS STORMES.
Welk, Ethel M (NC), NAVHOSP SDIEGO; to NAVHOSP CORPC.
Working, John D. BUSHIPS; to OFC OF SUPSHIP USN AND NAVINSORD GEN DYNAMICS CORP GROTON.
Aubert, George A. OIC NAVRESTRAFAC CAMDEN; to CO NAVMARCORESTC LA-FAYETTE.
Beale, John W (SC), ASO PHILA; to NAVSTA ROTA.
Bowdley, Floyd D. USS STEINAKER; to NAVPHIBSCOL LCREEK NAVPHIBASE NORVA.
Bresso, Reno G. NAS OAK; to NAVCRUIT STA DETROIT.
Brownstein, Dora (NC), NAVHOSP GLAKES; to NAVHOSP CAMLEJ.
Burttschell, Simon J. jr. FITRON 92; to NAVORDTESTU AFMISSILE TESTCEN PATRICK ARB.
Cates, Waldo C. UTWGPAC; to NAS WHID-EY IS OAK HARBOR.
Davison, Richard R. RESIDENT SUPSHIP USN AND NAVINSORD TAMPA; to USS WILLIAM C LAWE.
Geary, Joseph R. 12ND TEM; to USNAVPG SCOL MONTEREY DUINS.
Gordon, John J (MC), UNIV OF CALIF DUINS; to NADEVEN JOHNNSVILLE.
Guyer, George F. NAS OAK; to FLETAC SUPPRON 21 JAPAN DET.
Hagedorn, Robert L. UNIV OF MISS DUINS; to NAS ANACOSTIA WASHDC.
Krickenberg, Custer F (CEC), DEFATOMIC SUPP AGENCY WASHDC; to CO PHIBCB NR TWO.
Lenson, Robert H. J. PATRON 46; to PAC MISSILE RANGE PT MUGU.
Mansfield, Samuel K. AIRDEVRON ONE; to ASO PHILA.

Algar, M. Moore, T/Sgt Woodrow; Prasek, T/Sgt Eugene M.; Vasil, T/Sgt Sam; Pfeifer, T/Sgt Willis L.; Nagle, A/1c Barney A. Alleman, M/Sgt Alfred J.; Bliss, M/Sgt John D.; Desko, M/Sgt John M.; Durham, M/Sgt Delton L.; Pendergrass, M/Sgt Hugh; Pro-scher, M/Sgt Joseph E. T.

ARMY RETIRED—

Moulton, M/Sgt Lawrence A.; Settles, S/Sgt Robert T. jr.; Mellado, T/Sgt Ricardo C.; Hargreaves, S/Sgt John L.; Shambaugh, M/Sgt Neven H.; Whaley, M/Sgt Charles R.; Hargler, S/Sgt Richard T.; Rodriguez, S/Sgt Carlos; McGivern, A/1c Philip T. jr.; Polk, A/1c Allen C.
Dorsey, M/Sgt Albert J. (as Lt Col); Haw-ling, M/Sgt John T.; Sanders, M/Sgt Ralph R.; Jameson, S/Sgt Harold M.; Perry, M/Sgt Walter; Hyatt, S/Sgt Thomas J.; Pavlovsky, M/Sgt Leo J.; Jones, M/Sgt Charles J.; Rey-nolds, M/Sgt Leslie R.; Swanson, M/Sgt Palmer; Simmons, M/Sgt Alfred L.
Lathrop, S/Sgt Roger L.; Adams, A/2c Donald E.; Feazell, A/2c Ambers L.; Rittle, A/3c Ronald R.; Travis, A/3c Randall O.; Westphal, M/Sgt James L.; Clark, M/Sgt George M. adv to Major; Gatti, S/Sgt Daniel; Nash, S/Sgt William J. as Major; Maggard, T/Sgt Carl J.
Herman, M/Sgt Paul F.; Lewter, M/Sgt Frank F.; Harrison, S/Sgt Stanley E.; Hay-den, A/1c James C.

Navy Orders

from page 9—

Madsen, Richard O. CO HATRON SIX; to USS INDEPENDENCE.
McAfee, Cillian B. NAVSCOL PREFLT NAS PNCLA; to NAAS SAUFLEYFLD PNCLA.
McConnell, Robert M. jr. NAS JAX; to USS ANNA.
McFadden, James F. CO NCSO OFC SFRAN; to NAVSTA TI SFRAN.
Selson, Robert J. HATRON 123; to CAR AIRGRU 12.
Nyland, Hendrick W. T. MINEVDET; to CO USS MARSHALL.
Ritchie, James, CO ATKRON 144; to NA TECHTRACOM NAS MFS.
Roberson, Herman W. AWFITRON FOUR; to USS ANNA.
Simmons, Robert J. NAVCOMP USNAVAD GRU ROKNAVY; to CO USS LEARY.
Stewart, Charles M. CO NCSO OFC NEW YORK NAVB; to 3ND.
Wayne, John B. USS DUXBURY BAY; to OPNAV.
Willard, Harold A. UNIV OF SOUTHERN CAL DUINS; to HEAVY PHOTON 62.
Balls, Theodore L. CRUDES PAC; to USS SAINT PAUL.
Bennett, George S. jr. UNC/USFORKOREA; to MILAPPLDIV AEC GERMANTOWN.
Brink, John D. CO USS WATTS; to OPNAV.
Calhoun, John E. NROTCU RENNELAER POLY INST; to STAFF SACLANT.
Flory, Edwin B. CO USS LANSING; to BUPERS.
Galvin, Daniel T. AIRTRANSRON 21; to NAS QUONPT.
Jolin, Charles L. jr. FITRON 101; to NAV ARLANT.
Lundquist, Loren M (CHC), USS MIDWAY; to USCGB GOVERNMENT ISLAND ALA-MEDA.
Love, Harace G. jr (MC), HOME; to NAV HOSP PORTSMOUTH VA.
McPhee, Odin H. NAVSEC MAAG NETHERLANDS THE HAGUE; to OFC OF BAGR CENDIST WRIGHT PATTERSON AFB.
McCauley, Brian, CO USS EPPERSON; to OPNAV.
Paretsky, Jacob S. AIRTRANSRON 7 DET A; to BUAE.
Savage, Lowell C. EASTMEDAREA; to COM DESDIV 122.
Spicer, Donald W (MC), NAVHOSP CHASN; to NAVHOSP YOKOSUKA.
Warner, Melvin H. STAFF CINCPACFLT; to FAETUPAC NAS NORIS.
Bogan, Lewis F. AIRANTISUBRON 21; to CO Same Ron.
Brown, Loy T (MC), NAVHOSP PORTS-MOUTH VA; to NAVHOSP GLAKES.
Butorac, Kathryn A (NC), NAVHOSP IN THE USS HAVEN; to NAVHOSP SDIEGO.
Carmel, Leland B. CO ATKRON 25; to OP NAV.
Cunningham, Bernard V (CHC), NAVSTA SAN JUAN; to NATNAVMECEN BETHESDA.
Freeman, Leon H. NAS LAKEHURST; to NAS NORIS SDIEGO.
Gieson, Richard G. CARDIV ONE; to NAS SANFORD.
Imboden, George R (CEC), OFC OF OICC BUDOCKSCTR SUBIC BAY LUZON; to DPWO 11ND.
King, Randolph W. BUSHIPS; to NAV RADLDEFLAB NAVB SFRAN.
Prest, Raymond E. OPNAV; to USS INDE-PENDENCE.
Whitaker, James G. CO USS AEOLUS; to NAVANGREXPERSTA ANNA.
Williams, Martin T. jr. USS BEALE; to CO USS ROBERT K HUNTINGTON.
Benvenuto, Roland G. COMLANSHIPRON FIVE; to THE JSTAFFOFC JCS WASHDC.
Blackwood, Frank A. BUSHIPS; to PORTS-MOUTHNAVSHIPYD.
Boyle, Laurence E (CHC), NAVSTA GUAM; to NAS CORPC.

Clark, Asa A. III, JUSMAG GREECE ATHENS; to COMINRON EIGHT.
Cunningham, Seward B. CO USS COLONIAL; to ONM NAVDEPT.
Andrews, Thomas L. jr. USS LEXINGTON; to DEFATOMIC SUPP AGENCY WASHDC.
Barton, Francis D. USS BON HOMME RICH-ARD; to CARAIRGRU TWO.
Bogdanovitch, Philip M. AEWRON 14; to OIC LAKEHURST DET NAENGRFAC (SHIP INSTL) NAMATCEN NAVB PHILA AT NAS LAKEHURST.
Craig, Russell F. DEFATOMIC SUPP AGEN-CY WASHDC; to JSTAFF CINCLANT.
Davis, Donald C. OPNAV; to OFC OF UN SECNAV NAVDEPT.
Dunston, Charles E. CO USS JARVIS; to 12ND.
Facer, Gordon C. USS BENNINGTON; to DEFATOMIC SUPP AGENCY WASHDC.
Fehr, Harrison R. III, OIC NAVPRCHTU NAAS EL CENTRO; to CO NAVPRCHT FAC EL CENTRO.
Griffiths, William H (CEC), CO PHIBCB NR TWO; to NELS.
Johnson, Berend E. jr. BUPERS; to EAST MEDAREA.
Kiker, Wellborn C. FIRSTFLT; to JSTAFF USCINCEUR.
Kratz, James A. PHIBRON ONE; to NAV FORJAPAN.
Larson, Theodore R. CO USS KRISHNA; to PHIBGRU FOUR.
McLane, Alphonse W. JSTAFF CINCPAC; to CO USS DECATUR.
Mielke, Reyco C. TEXGRU; to BSNVSHIP YD.
Miller, Edward R. NAVSTA TI SFRAN; to MSTs WASHDC.
Phillips, John J. CO USS DEHAVEN; to PHIBRON SEVEN.
Reardon, John J (CHC), NAVPHIBASE LCREEK, NORVA; to NAVSTA SAN JUAN.
Schling, Clair W. jr. FAIRWG THREE; to OIC NAVCRUITSTA PHILA.
Timm, Henry O. jr. OIC ATKRON 126 DET 1; to NASPWPNFAC KIRTLAND AFB.
Ward, John G. SUBPAC SUBRESPROGRAM CORD AT SDIEGO; to SUBRON THREE.
Cummins, Lawrence D. CO USS BAUER; to CRUDES PAC.
Elison, Harold H. SERVON THREE; to CO USS FRANK E EVANS.
Fillard, Alfred C. jr. CRUDES PAC TEM; to CO USS CUSHING.
Kuhn, Martin, jr. CO NAVMARCORESTC ALAMEDA; to CO USS ZELMA.
Lotterhos, Augustus, jr (SC), NSD SDIEGO; to MARENAVSHIPYD.
Robinson, Harold A. OPNAV; to OFC OF INSMAT CLEVE.
Schnurr, Herman J (CHC), NAVSTA TI SFRAN; to 3MARDIV (REINF) FMF.
Scott, William J. AIRANTISUBRON 21; to OPNAV.

LIEUTENANT COMMANDERS

Brewer, William E. jr. NAS CORPC; to USNAVPGSCOL MONTEREY DUINS.
Freseman, Hilda L (NC), NAVSTA TONGUE PT ASTORIA; to USS GENERAL WIL-LIAM MITCHELL.
Fulton, Robert D. NAVCISCOL NAS GLYNCO; to NAVSUPACTY NAPLES.
Hemill, William T. jr (SC), USS YORK-TOWN; to UNIV OF PITTSBURGHGRAD SCOL OF RETAILING DUINS.
Hanten, Kenneth S (SC), NSD GLAKES; to USS ALUDRA.
Langford, John D. HATRON FIVE; to HATWG ONE.
Larsen, Jack A. OIC FASRON 12 DET A; to NATECHTRACOM NAS MFS.
Massa, Mario G. CARAIRGRU 19; to NAV MISSILEFAC PT ARGUELLO LOMPOC.
Panawek, Gregory, USS PRAIRIE; to DES RON 21.
Roberts, Louis V. PHIBGRU THREE; to NATECHTRACOM MFS.
Twedell, Jack L. ATKRON 144; to NAV ANTRACOM NAS CORPC TEM.
Tylman, Frank J (SC), USS RENVILLE; to STANFORD UNIV DUINS.
Utegaard, Thomas F. CO USS KOINER; to OPNAV.
Bender, George B. PATRON 44; to NABA TRACOM NAS PNCLA.
Berry, Billy B. UAER; to UTRON 10.
Orgert, Duane D. OFC OF INFO NAVDEPT; to USS LYMAN K SWENSON.
Brooks, Eurus J (MSC), NAVHOSP JAX; to NAVMEDRESCHINSTITUTE NATNAVMECEN BETHESDA.
Cassery, Christopher J. ASST ALUSNA AND ASST ALUSNA FOR AIR KARACHI; to COMINRON 11.
Cooke, Emmett M. jr. OFC OF BAR MC-DONNELL AIRCOPR; to CO FITRON 102.
Dagley, John C. NAS ARGENTIA; to OP NAV.
Hall, Harry D. NAVAIRLANT; to FAIRJAX AT PNCLA.
Harrison, Glenn C. FASRON 6 DET 2; to NAVWARCOL NPT DUINS.
Hoffman, Richard A. AIRDEVRON ONE; to ANTISUBDEFLANT.
Justice, Richard R. DESRON 21; to DES FLOT FIVE.
Leonard, Warren E. ADMINOFC NAVDEPT; to USS PUTNAM.
Meekins, Willis E. CO NAVRESTC SANTA ANA; to CO USS FORTIFY.

Ohme, Henry F. USS HELENA; to ARLANG SCOL PRESIDIO OF MONTEREY MON-TEREY DUINS.
Richards, John P. M. II. USNAVMISS TO COLOMBIA BOGOTA; to DESRON 23.
Riddick, John C. ATKRON 145; to NAV ANTRACOM NAS CORPC TEM.
Ross, Albert J. USS SARATOGA; to AEW RON 15.
Rothwell, James C. NAVSEC MAAG JAPAN; to USS BELLE GROVE.
Saar, Charles W. USS SALUTE; to STAFF CINCSOUTH.
Stello, Albert P. OIC USS TWEEDY; to RESCORTRON FOUR.
Thatcher, Edwina M (NC), NAVHOSP ST ALBANS LI; to NAVHOSP BETHESDA.
Townsend, Grider E. NAVSTA SDIEGO; to OIC NAVTRAIDSFAC NAVSTA SDIEGO.
Vasse, John C. CO USS LEADER; to NAVTRADEVICEN SANDSPT PORT WASHINGTON LI.
Walts, Jack E. USS FORRESTAL; to FIT RON 103.
Wells, Lionel E. ALUSNA AND ALUSNA FOR AIR RANGOON; to USS FORT MAN-DAN.
Whittle, Alfred J. jr. OFC OF ASSTDIR FOR NAVREACTORS DIVREACTORDEV AEC WASHDC; to CO USS SEAWOLF.
Wright, William D (SC), 11 ND TEM; to 11 ND.
Yonkovitch, John J. BUPERS; to PHIBRON 10.
Younglove, Edward E. jr. NAVSTA KO-DIAK; to NAS DAL.
Addy, Alfred M. AIRFERON 32; to PATRON 47.
Alberts, Carl D (CEC), FLEACT YOKO-SUKA; to DPWO IND.
Alford, Zeb D. NAVNUCLEAR POWER TU WEST MILTON SITE SCHNET DUINS; to USS TULLIBEE.
Bergsma, Earl R. OIC HUTRON 2 DET 1; to NAB 12 ND.
Blakney, Walter T. AIDE TO COOFS CINC PACFLT; to NAS JAX.
Boland, Joseph P. HATWG ONE; to HAT RON SEVEN.
Burkhardt, Vernon A (MC), NAVHOSP SDIEGO; to NAVSTA SUBIC BAY LUZON.
Cavendish, Lynn M. (CEC), NAS CECIL FLD; NAS OLATHE.
Chipman, Virginia R (NC), NAVHOSP CAM LEJ; to NAVDISP NAVDEPT.
Churchill, Jack G. AWATKRON 33; to NATESTCEN PAXRIV.
Crain, Harold (SC), NAVGRU JUSMMAT ANKARA; to NAVHYDROFC SUITLAND.
Dubiel, Robert A. USS FRANKLIN D ROOSEVELT; to NAS BRUNSWICK.
Gunderson, Allan H. UTRON ANE; to NAV ANTRACOM NAS CORPC TEM.
Hayes, William E (MC), NAVHOSP GLAKES; to NAVHOSP SDIEGO.
Hodges, King E. HATRON SEVEN; to NAS DAL.
Hubbard, William E. UN TRUCE SUPER-VISION ORG IN PALESTINE; to USS NORFOLK.
Jacobsen, John H. FASRON 112; to FAIR WHIDBEY.
Keeler, Clifford E (MC), NAVRETRACOM CAMP ELLIOTT SDIEGO; to NAVHOSP MFS.
Linnenbruegge, Hedwig M E (NC), NAV HOSPCORSOL NAVHOSP GLAKES; to NAVHOSP BREMERTON.
Robinson, Earl L. USS MIDWAY; to FAIR ALAMEDA.
Shaw, Ada E (NC), NAVDISP NAVB NOR VA; to NAVHOSP CHELSEA.
Smith, Deming W. NAVPROPELLANT PLANT INDIAN HEAD; to USS COM-PON.
Summitt, Charles D. NAVNUCLEAR POWER TU WEST MILTON SITE SCHNET DUINS; to USS SNOOK.
Tate, James D. NAVHOSP OAK TRMT; to AEWRON 12.
Ward, Raymond E. UTRON 10; to NAS NEW YORK FLOYD BENNETT FLD.
Webster, Harold A. jr. NAVCISCOL NAS GLYNCO; to USS WALDRON.
West, William M (SC), USNAVADGRU ROKNAVY; to SIXTHNAVIST.
Aldredge, Walter W. jr. CO ATKRON 146; to CARAIRGRU 12.
Black, Bruce L. CO NAVREST NAVB PORTSMOUTH NH; to PORTSMOUTH NAVSHIPYD.
Bullington, William B. UTRON 10; to FAIR JAX.
Cover, John H. NATECHTU NAS PNCLA; to USS RANDOLPH.
Dunn, Seldon C (MC), UNIV OF CALIF DUINS; to NAVSCOLAVMED NAVAVMED CEN FIVE FOUR PNCLA DUINS.
Ellis, George F. jr. GUORD; to OPNAV.
Fraser, Mary A (NC), NAVHOSP ST AL-BANS LI; to NAVHOSP CAMPEN.
Gerhard, Harry E. jr. NAVPHIBSCOL LCREEK NAVPHIBASE NORVA; to FIT RON 174.
Griswold, Richard A. USS KENNETH D BAILEY; to CO NAVMARCORESTC RALEIGH.
Guentz, Jack E. NPG DAHLGREN; to USS JOSEPH P KENNEDY JR.
Hines, Gordon L. FASRON 112; to NAS WHIDBEY IS OAK HARBOR.
Johnson, Warren H (CHC), USCGB GOV-ERNMENT ISLAND ALAMEDA; to 3d MARDIV (REINF) FMF.

SERVICE FAMILY NOTES

Family Editor
Louise B. McGiffertAssociate Family Editor
Bertie Johnson

Italy To Arizona



COL. Richard V. Travis, Williams AFB's new deputy commander, relaxes with his family at their home after traveling some 7,000 miles from his last post in Italy. The colonel was deputy assistant chief of staff of plans and programs, Allied Air Force Southern Europe. Shown with him is his wife, Alice, and their daughters Alice, 10 (left), and Frances, 14.

Service Folk

Miss Eleanor Rynearson, daughter of Col. and Mrs. C. B. Rynearson, is an honor graduate of the class of 1959, Kaiserslautern American High School, Kaiserslautern, Germany. She was fourth in a class of more than one hundred students, and she participated in several extracurricular activities, a member of Quill and Scroll and the National Honor Society.

The Kaiserslautern Officers and Civilians Wives' Club awarded Miss Rynearson its annual scholarship, and Indiana University awarded her a fee remission scholarship available to daughters of Army officers on active duty. She plans to study chemistry at Indiana.

Colonel Rynearson is commanding officer of the 24th Engineer Construction Group, and will be stationed at Troy, N. Y., as Professor of Military Science and Tactics, starting with the fall semester.

Continuing a family tradition established by his great grandfather, John W. Raymond of St. Petersburg, Fla., has enlisted in the Regular Army and will attempt to win a competitive appointment to the U. S. Military Academy. The tradition was started during the Civil War when Charles W. Raymond was appointed from the ranks to attend the Acad-

emy. He later was graduated at the top of the Class of 1865 and retired as a brigadier general after more than 35 years' service. Since then, six other members of Pvt. Raymond's immediate family have chosen the same route to an Army commission.

James Edward Bryan, 17, son of the First U. S. Army Commanding General, Lt. Gen. B. M. Bryan and Mrs. Bryan of Governors Island, N. Y., was graduated in the June class from The Manlius School, Manlius, N. Y., military, college preparatory school. Young Bryan served as secretary of the Manlius Engineering Club. He will return to the school in the Fall for a post graduate course.

Miss Aurelia Parks, daughter of Col (USA-Ret.) and Mrs. Graeme Gordon Parks, 195 Outwater Lane, Garfield, N. J., is a recent graduate of the Barbizon School of Modeling, New York City. Before entering her junior year in high school this fall, Miss Parks will spend her summer in modeling work in New York.

Miss Julia Coates, daughter of Col. and Mrs. Harry L. Coates, USA-Ret., of Lexington, Va., a June graduate of Mary Washington College of the University of Virginia, has been made a member of Mortar Board, national honor society for senior college women.

Cheryl Adrienne Krams has achieved the Curved Bar rank in the Girl Scouts at Fort Richardson, Alaska. Her father Maj. Cortland T. Krams is assigned to G-3, Hq. USARAL. Her grandfather is Col. C. K. Krams, USA-Ret., of 3724 Webster Street, San Francisco 23, Calif.

The Professor of Military Science and Tactics at Colorado State University, Ft. Collins, Colorado, and his wife created a bit of campus news this June. **Col. Charles D. Wiegand** and his wife, Betty, have been on the campus for a little better than two years and during this period have applied themselves in the educational field as well as in the normal military requirements. Both appeared at the recent graduation ceremonies in cap and gown, where Mrs. Wiegand received her Bachelor of Science in Social Sciences, and Colonel Wiegand his Master of Arts in English.

Joan Lee Cowles, daughter of Col. Herbert N. Cowles, USAF, Air War College, Maxwell AFB, who has just finished her Junior year at Oak Grove School for Girls, Vassalboro, Me., has won a medal in citizenship, a sterling Seal of the School for highest honors in Art, and two emblems for her School shield, the gold bar for courtesy and the S for School Spirit. In the recent Horse Show, Joan was one of the highest winners with two ribbons in the Pair Class and the Advanced A Class, and was awarded the gold trophy for Helpfulness. Miss Cowles will be a Senior at Oak Grove in September.

Mrs. Longley Heads Cherry Point Wives

MRS. C. M. Longley (third from right) is the new President of the Officers Wives' Club at the Cherry Point, N. C., Marine Corps Air Station. Other officers are (left to right) Mesdames S. R. Lauer, Assistant Treasurer; D. L. Fenton, Recording Secretary; R. W. Battdorf, Treasurer; R. C. Berkley, Vice President, and H. B. Calahan, Corresponding Secretary.



NEWLY ELECTED OFFICERS of the Wright-Patterson AFB Officers' Wives Club receive congratulations from Mrs. E. F. Westlake, jr. (center), retiring president. Shown left to right are: Mrs. J. S. Stimson, corresponding secretary; Mrs. W. & Heavner, new president; Mrs. Westlake; Mrs. L. W. Freas, vice-president; and Mrs. M. S. McDowell, recording secretary. The officers were elected during the Club's meeting held in conjunction with the Base Garden Club's annual spring flower show.

Service Weddings and Engagements

MISS Joanne Louise Britton, the daughter of Brig. Gen. (USA) and Mrs. Frank Hamilton Britton, 11 Summit Pl., Alexandria, Va., was married on 20

June at the Ft. Myer Chapel to 2d Lt. Frank Carter Norvell, jr., USA, of Alexandria. Lieutenant Norvell is the son of Col. (USA) and Mrs. Frank C. Norvell. The ceremony was performed by Col. Kenneth M. Sowers, Episcopal chaplain.

General Britton gave his daughter in marriage and Miss Betsy Arrowsmith Britton was her sister's maid of honor. Bridesmaids were the Misses Mary Susan Norvell, Alexandria; Susan Chase, Wilmington, Del., and Jeanne Kay Voshel, Hampton, Va.

Serving as best man was 2d Lt. William A. Keefe, 4th, of California. Grooms-men were Laurence Morrison, Robert Moore, Alan Phillip, Herbert Kaylor, and Jan B. Woodman, all of Alexandria.

Mrs. Norvell attended Mount Holyoke College and was a member of the 1959 graduating class of George Washington University.

Lieutenant Norvell, a graduate of V.M.I., is stationed at Fort, Maryland.

After the reception at the Ft. Myer Officers' Club, the young couple left for a southern wedding trip.

AUSTIN-BROWNLEE—Col. and Mrs. Laurence H. Brownlee announce the engagement of their daughter, Mershon Hilliard, to Mr. E. Paul Austin, son of Mr. and Mrs. Gilbert W. Austin, Manhattan Beach, Calif.

Miss Brownlee is the granddaughter of Mrs. Percy M. Kessler of San Francisco and the late Mr. and Mrs. Raymond B. Brownlee of San Diego. She is an Alpha Phi at the University of Arizona.

Mr. Austin is a graduate of the University of Arizona and is presently at the Officers' Candidate School at Newport, R. I. His fraternity was Alpha Sigma Phi.

DAETZ-DAVIS—Miss Mary Taylor Davis, daughter of the late Mr. Carlton M. Davis, and Mrs. Carlton M. Davis of Beaconsfield, Quebec, Canada, and Lt. Neil Daetz, son of Bruno Daetz, and the late Mrs. Daetz, of Two Rivers, Wis., were united in marriage at the Post Chapel, Ft. Leavenworth, Kans., on 7 June. Lt. Col. William B. Sharpe, Post Chaplain, performed the ceremony.

Given in marriage by Lt. Col. Ray E. Ecker of Kansas City, the bride had her sister, Miss Cynthia Davis of Beaconsfield,

as maid of honor. Capt. Elbert L. McDaniel, jr., was best man, and ushers were Capt. Dean Smith and Lt. Daniel Lappin. After a patio reception at the home of Mrs. Herbert Sachs in Kansas City the couple left for a honeymoon at the Lake of the Ozarks.

DAVIDSON-KENERICK—Col. and Mrs. Kenneth Riffel Kenerick, 6917 Woodside Pl., Chevy Chase, Md., announce the

marriage of their daughter, Karen Jeanne, to 2d Lt. James Slater Davidson, 3d, USA, son of Mr. and Mrs. James S. Davidson, jr., of Chevy Chase, Md., on 20 June at 3:00 p.m., at All Saints Episcopal Church, Chevy Chase.

The bride was a June graduate of Duke University. The bridegroom was graduated from Lehigh University in 1958.

The young couple will live at Ft. Knox, Ky., where Lieutenant Davidson is stationed.

DICKARD-RODDY—Lt. Col. and Mrs. Francis J. Roddy, 554-B Crosby Road, Ft. Bliss, Tex., announce the engagement of

their daughter, Barbara Ann, to Theodore C. Dickard, jr., son of Mr. and Mrs. T. C. Dickard, 1123 Emerald St., San Diego, Calif.

Miss Roddy was graduated from Loretto Academy, El Paso, Tex., and attended Immaculata College, Philadelphia.

Mr. Dickard was graduated from La Jolla High School, La Jolla, Calif., and is now attending San Diego State College where he is majoring in physics. He is also employed by Convair, in San Diego.

A mid-winter wedding is planned.

CHANDLER-WICKSTROM—Miss Barbara Elizabeth Wickstrom, daughter of Mr. and Mrs. Henry Albert Wickstrom of Heidelberg, Germany, and formerly of Allentown, Pa., was married to Lt. Fitzhugh Horton Chandler, jr., of Arlington, Va., in the Harkness Chapel, Connecticut College, New London, on 13 June. The double ring ceremony was performed by

Photo by Southall-Loche
Mrs. NorvellPhoto by Glaser
Mrs. Davidson

Miss Roddy

the Rev. Gordon P. Wiles, Chaplain of the College.

The bride was given in marriage by her father and had as her maid of honor Mrs. Jas. Walsh. Tivoli, N.Y. Bridesmaids were the Misses Alice Miller, Allentown, Pa.; Ann England, Manchester, Conn.; Edith Donaldson, Cresco, Pa., and the bridegroom's cousin, Carol Chandler, Atlanta, Ga.



Photo by Robert L. Perry
Mrs. Chandler

Lt. LeRoy V. Greene of Philadelphia was best man. Ushers and sword bearers were Lts. Conrad Boyle, Washington, D. C.; Thomas McInerney, and John McInerney of Garden City, N. Y.; James Walsh, Arlington, Va., and Paul Chalmers, Pacific Grove, Calif., all USMA '59 classmates of the bridegroom.

Mrs. Chandler was graduated from Nurnberg American High School in Germany, and Connecticut College for Women. She is a member of the Junior Section, Women's Club, Allentown, Pa.

Lieutenant Chandler was graduated from Woodrow Wilson High School, Washington, D. C., and attended Sullivan's Preparatory School before entering the U. S. Military Academy.

After a wedding trip to Canada, the young couple will live temporarily at Ft. Benning, then in Hawaii, where Lieutenant Chandler's three-year tour of duty will be.

BROOKS-WELLS — The Main Post Chapel, Ft. Rucker, Ala., was the scene of the 20 June wedding of Miss Lesley Simpson Wells and Ens. Arthur Van Norden Brooks, USNR.



Mrs. Brooks

The bride is the daughter of Col. and Mrs. James Franklin Wells. Colonel Wells is Director of the Army Board for Aviation Accident Research, Ft. Rucker. The bridegroom, who is assigned to the USS Galveston, is the son of Mr. Robert Woodard served as best man and ushers were Messrs. Samuel Deichman, George Leahy, Phillip Jones, and Lt. Gordon Spillinger.

After a short honeymoon in Hawaii and a month's motor tour of the Eastern states, the young couple will make their home in New Hampshire. Both will be seniors at the University of New Hampshire in Durham next fall. Following his graduation, Mr. Maisey will receive his commission in the Air Force.

Miss Jane L. Staples, Saco, Me., and Miss Cynthia Norris, Great Neck, N. Y.

Mr. D. Kilton Andrew, jr., Portland, was best man. Ushers were Messrs. I. Dodd Wilson, Minneapolis; James F. Riffle, Warren, O.; Floyd Robinson, Temple, Tex.; Maurice W. Collins, Merchantville, N. J.; and Warren J. Gregory, Philadelphia.

The bride, a graduate of Wheaton College, Norton, Mass., teaches the 6th grade in Norwood, Mass. Mr. Timothy attended Dartmouth and is entering third year medical school at Harvard.

After a wedding trip to Bermuda, the young couple will make their home at 99 Francis St., Boston, Mass.

MAISEY-MEWSHAW — Miss Judith Mewshaw and Terry Mercer Maisey were married in a morning ceremony, 20 June, in the Post Chapel at Schofield Barracks, Hawaii. Father Cyril Gombold, Pastor, Pope Plus X Parish, Honolulu, officiated, and Father Francis D. Bridenstein, Pastor, Schofield Barracks, said the Nuptial Mass. The Church's Nuptial Blessing was given by Father Maurice Holmans, Pastor, St. Michael's Church, Waialua.



Mrs. Maisey

The bride is the daughter of Lt. Col. and Mrs. Charles T. Mewshaw, Quarters 425, Schofield Barracks, and Mr. Maisey is the son of CWO and Mrs. Reginald V. Maisey, Pease Air Force Base, N. H.

Given in marriage by her father, the bride had Miss Jane Michael Kelly as maid of honor and the Misses Barbara Surles and Pamela Skells as bridesmaids. Junior bridesmaids were the bride's sisters, Mary Kathleen and Deborah Ray Mewshaw.

Mr. Robert Woodard served as best man and ushers were Messrs. Samuel Deichman, George Leahy, Phillip Jones, and Lt. Gordon Spillinger.

After a short honeymoon in Hawaii and a month's motor tour of the Eastern states, the young couple will make their home in New Hampshire. Both will be seniors at the University of New Hampshire in Durham next fall. Following his graduation, Mr. Maisey will receive his commission in the Air Force.

JOHNSON-HILL — Col. and Mrs. William Welch Hill, jr., 3310 Old Dominion Blvd., Alexandria, Va., announce the marriage of their daughter, Margaret Ernestine, to 2d Lt. John Palmer Johnson, 3d, son of Lt. Col. and Mrs. J. P. Johnson, jr., 7502 Lauralin Place, Springfield, Va. Col. Kenneth M. Sowers, ChC, USA, performed the double ring ceremony which took place on 20 June at the Ft. Myer Chapel, Arlington, Va.



Mrs. Johnson

The bride's sister, Miss Margaret Kirven Hill, was maid of honor and bridesmaids were Miss Nancy Elizabeth Bolton and Miss Ethel Akin Kelley.

Mr. Russell Read Johnson, the bridegroom's brother, was his best man. Ushers were Lts. Walter T. Brown, jr.; Robert W. Roth; Louis Caruso; and Robert A. Schow, all USMA '59 classmates of the bridegroom.

The bride attended Mary Washington College of the University of Virginia in Fredericksburg.

After a wedding trip to Canada, the couple will make their home at Ft. Benning, Ga., where Lieutenant Johnson will be stationed.

TAGLIARENI-BARRETT — Miss Patricia Ann Barrett, daughter of Col. and Mrs. Wallace C. Barrett, 313th Air Division, Kadena Air Base, Okinawa, and Lt. Russell J. Tagliareni, USAF, were married at the Kadena Air Base Chapel on 6 June. The bridegroom is the son of Mr. and Mrs. James Tagliareni, of Jersey City, N. J.



Mrs. Tagliareni

Miss Joan Barrett, sister of the bride, was maid of honor. Bridesmaids were Misses Sue David; Pat Hagan; and Cynthia Hawkins, and Mrs. Alan Griffel. Capt. Richard Laney served as best man. Ushers were Capt. Harold Spitz, and Lts. David Medford, Alan Griffel and Charles Jinneman.

Sword bearers were Capt. Victor Tyron and Antonio Castro, and Lts. Judson Faurer and William Paul.

The young couple will leave Okinawa soon for Lieutenant Tagliareni's new assignment in the states.

RUDSER-CONWAY — Miss Elizabeth Ann Conway, daughter of Mr. and Mrs. John J. Conway of Lynbrook and Sag Harbor, N. Y., was married on 6 June to Lt. John Leonard Rudser, USA, son of Lt. Col. (USA-Ret.) and Mrs. Karl L. Rudser, 3301 Carrington St., Tampa 11, Fla. The Rev. John Jerome Hickey celebrated the Mass in St. Martin's Chapel, Ft. Belvoir, Va.

Miss Sheila Conway was her sister's maid of honor. The best man was Lt. Lewis E. Manfre. Ushers were Capt. Charles S. Varnum and Lt. George L. Ealer.

Mrs. Rudser was graduated from the State University of New York, Teachers College, and did graduate work at Hofstra and the University of Virginia.

Lieutenant Rudser received degrees in Engineering from North Carolina State College and Agricultural and Mechanical College of Texas.

GOMES-KIRBY — Mr. and Mrs. Fred Kirby of Charlotte, N. C., announce the marriage of their daughter, Patricia, to Col. Lloyd H. Gomes of Pleasanton, Cal.



Mrs. Gomes

Colonel Gomes is a graduate of the University of California and is presently on duty as Chief of Staff, 82d Airborne Division, Ft. Bragg, N. C.

The wedding took place on 20 June in the Main Post Chapel, Ft. Bragg.

MCDONALD-SOGARD — St. Michael's Episcopal Mission, Ft. Benning, Ga., was the setting on 20 June for the marriage of Miss Karen Lee Sogard, daughter of Col. (Ret.) and Mrs. Sidney Stanley Sogard, 3980 Commander Dr., Columbus, Ga., to 1st Lt. Thomas Benton McDonald, 3d, Ft. Campbell, Ky.



Mrs. McDonald

Lieutenant McDonald is the son of Maj. Gen. and Mrs. Thomas B. McDonald, 714 S. Overlook Dr., Alexandria, Va. Chaplain Harry G. Campbell, jr., performed the ceremony.

The bride chose Mrs. Ralph Noyes as matron of honor and the Misses Joan Troutman, and Barbara Bender; Mrs. Bernard Addington and Mrs. George

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Robertson as bridesmaids. Flower girl was Miss Nancy Vogel.

The bridegroom's brother, Mr. Warren Randolph McDonald, was best man. Ushers were Lts. Edward Szvetcz; John Hocker; Parks Houser, and Mike McCarthy.

The bride attended Marjorie Webster Junior College, Washington, D. C. Lieutenant McDonald was graduated with the U. S. Military Academy Class of '57.

After 1 July the young couple will live at 148 Alumni Ave., Hopkinsville, Ky.

PHILLIPS-ZUNDEL — Brig. Gen. (USA-Ret.) and Mrs. Edwin Albert Zundel, 7948 Phillips St., Whitfield Estates, Sarasota, Fla., announce the marriage of their daughter, Eleanor Adelaide, to Mr. Charles Duval Phillips, jr., son of Mr. and Mrs. Charles D. Phillips, 1601 21st St., Bradenton, Fla. The Rev. Alfred Bixler performed the ceremony on 20 June at the First Presbyterian Church, Bradenton.



Photo by Marvix
Mrs. Phillips

The bride, given in marriage by her father, had Miss Ollie Weaver, Falls Creek, Pa., as maid of honor and the Misses Susan Tucker, South Weymouth, Mass.; Charlene Magovern, Bradenton; and Alice Michael, Bradenton, as bridesmaids. Junior bridesmaids were Misses

—Continued on next page

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Weddings and Engagements

From preceding page—

Marie Wellman, Richmond, Va.; and Cheryl Morris, Sarasota, Miss Linda Sublett, Sarasota, was flower girl.

Best man was Mr. Seward Van Petton, of Arcadia and Tampa, Fla. Ushering were Messrs. Mark Adams, Sarasota; and James Armstrong, William Seavy and Ernest Hill, of Bradenton.

The bride attended Tokyo American High School in Japan and Mary Washington College of the University of Virginia. She has taught the 1st Grade for four years at Bay Haven Elementary School, Sarasota.

The bridegroom attended Manatee County High School and the University of Florida. He is a photographer for the Bradenton Herald.

After a wedding trip to St. Petersburg Beach, Fla., the couple will live at 307 27th St. W., Bradenton.

LE STOURGEON-STURGES—The marriage of Miss Ruth Anne Sturges, daughter of Mr. and Mrs. Paul Alfred



Photo by F. F. Zimmerman
Mrs. LeSturgeon

Sturges of Media, Pa., to Lt. (jg) Frederick Chapman LeSturgeon, son of Col. P. E. LeSturgeon, USA, Ret., of 336 West Fifth St., Media, and the late Mrs. LeSturgeon, took place on 12 June in Christ Episcopal Church, Media.

The bride, given in marriage by her father, had Miss Shelley Lee Allam of Media as maid of honor and Misses Dorothy H. Heimer, Media; and Allison B. Bigelow, St. Paul, Minn., as bridesmaids.

Lt. (jg) Kenneth Snedeker, Jr., of Arlington, Va., was best man. Messrs. Nicholas G. Theodore, 2d, Elwyn, Pa.; Richard F. McGuigan, Ardmore, Pa.; and Edward deGarbolewski, Wallingford, Pa., were ushers.

The bride is a graduate of Mount Holyoke College, and a member of the American Chemical Society; Mount Holyoke Alumnae Association of Philadelphia, and of Phi Beta Kappa sorority.

Lieutenant LeSturgeon is a graduate of Drexel Institute of Technology and Officers Candidate School, Newport, R. I. He is a member of Sigma Rho, honorary society.

After a wedding trip to Provincetown, Martha's Vineyard and Nantucket, Lieutenant and Mrs. LeSturgeon will live at 22 Valley Road, Drexel Hill, Pa.

DONOGHUE-COULTER—Lt. Col. and Mrs. John Alfred Coulter, 232 Orchard Drive, Fairfax, Va., announce the marriage of their daughter, Dorothy Jayne, to Mr. Quentin Christopher Donoghue, son of Mr. and Mrs. Frank Lee Donoghue, of Hollywood, Calif. The marriage took place at Fort McNair Chapel, Washington, D. C. at a candlelight ceremony on 13 June.

Both Mr. and Mrs. Donoghue attended the University of Maryland, where she was a member of Pi Beta Phi and he was a member of Theta Chi.

WARING-MASSEY—Rear Adm. and Mrs. Forsyth Massey of Arlington, Va. and Newton, N. J., announce the marriage of their daughter, Lucille Cameron, to Mr. March Chase Waring, the son of Mr. and Mrs. M. Le Compte Waring, of Ardsley-on-Hudson, N. Y. The wedding took place at the Alexander Zabriskie Memorial Chapel of Immanuel Church-on-the-Hill, Alexandria, Va., on 16 June.

The bride was graduated from the Holton Arms School, and attended Pine Manor Junior College, George Washington University and Corcoran Art School.

Mr. Waring was graduated from the Hackley School and Yale University, Class of '59. The young couple will spend the summer in Europe.

MARCHEK-KARAS—Mr. and Mrs. Ed-

ward S. Karas, 3907 W. Addison St., Chicago, announce the engagement of their daughter, Betty Marie, to Mr. Frank J. Marchek, son of Col. (Ret.) and Mrs. C. S. Marchek of East Point, Ga.

Both Miss Karas and Mr. Marchek were graduated from Marquette University on 7 June.

A fall wedding is planned.



Miss Karas

POOLE-ROBISON—Miss Mary Joan Robison, daughter of Lt. Col. and Mrs. Joseph E. Robison, Ft. Jackson, S. C., and Lt. William Jackson Poole, USMA '59, son of Mr. and Mrs. Arnold C. Poole, Riceboro, Ga., were united in marriage in a double ring ceremony at the Post Chapel, Ft. Jackson on 13 June. Col. Loren T. Jenks, Post Chaplain officiated.

The bride was given in marriage by her father, and her sister, Miss Lynne Robison, was maid of honor. Bridesmaids were Misses Ann Wicker, Rome, Ga., and Alice Stevens, Sunbury, Ga. Lt. Thomas Boyd of Washington, D. C., was best man, and ushers were Lts. Jay Weisler, Atlanta; Mark Magnussen, Ft. Worth; Andy Kuschner, Haines City, Fla.; Emmet McCracken, Bluffton, S. C.; Douglas Campbell, Savannah; and Mr. Joseph E. Robison, 3d, brother of the bride.

The bride is a graduate of the University of Georgia.

HAUTZINGER-O'BRIEN—Col. and Mrs. John G. O'Brien of 1949 Lewis Mountain Rd., Charlottesville, Va., announce the marriage of their daughter, Susan Jean, to James Edward Hautzinger, son of Mr. and Mrs. J. M. Hautzinger of



Photo by Raymond
Mrs. Hautzinger

The double ring ceremony took place on 20 June in the Thorndike Hilton Memorial Chapel, Chicago Theological Seminary. Given in marriage by her father, the bride was attended by Mrs. Robert O. Curvey, of Evanston, Ill. Mr. Richard Dustin, of Cherokee, Iowa, served as best man.

The bride is a graduate of Grinnell College, Grinnell, Iowa, and is a member of Theta Sigma Phi, honorary journalism fraternity, Mortar Board, and Phi Beta Kappa. Mr. Hautzinger is also a graduate of Grinnell College and is a second year student at the University of Chicago law school. He is a member of Friars and Phi Beta Kappa.

BROWN-MORTHORST—Miss Janet Marie Morthorst, director of Special Services Service Club, No. 2, Ft. Ord, Calif., and 1st Lt. James K. Brown, executive officer of Company A, 13th Battle Group, 4th Brigade, Ft. Ord, were married on 20 June at the Fort Ord Post Chapel.

The bride, daughter of Mr. and Mrs. Henry G. Morthorst of San Mateo, Calif., had her sister Miss Rosemary Morthorst as maid of honor. Best man was Mr. William Adams.

Mrs. Brown was graduated from the University of Illinois where she majored in speech education and was a member of the Alpha Xi Delta sorority.

Lieutenant Brown, son of Mr. and Mrs. James H. Brown of Monroe, Ga., was graduated from the University of Georgia, where he was a four year member of the varsity football squad and majored in physical education.

The young couple will make their home in Atlanta, Ga.

Club Activities

The Armed Forces Staff College Women's Club held its final luncheon for the 25th Class, Wednesday. Since orders will take students to various parts of the world, the theme used for the program was "Luncheon on the Rue de la Paix."

It has been said if one sits long enough at a table in a sidewalk cafe on a corner of the Rue de la Paix, one will see every one he knows pass by. That's what Mrs. John C. Giraudo and Mrs. Chantee Lewis did and soon saw the whole AFSC pass their way.

Those taking part in the humorous skits which depicted their five months tour at the Staff College were Mesdames Arthur J. Hodder, Jr., Edgar H. Albers, Thos. B. Russell, Jr., Michael N. O'Sullivan, Earl R. Saunders, John W. Lafko, Richard M. Doyle, and James B. Webel.

In the absence of the President, Mrs. Jeff W. Boucher, Mrs. Francis B. Howes, Jr., Vice President, presented silver bracelets with engraved discs to Mrs. Marvin E. Weaver, New 'n Used Shop Chairman, Mrs. Arthur F. Johnson, Slimnastics instructor, and Mrs. James B. Webel, Student Representative on the Board of the Club.

The Armed Forces Institute of Pathology Wives' Club has elected new officers for the coming fiscal year. Mrs. P. C. LeGolyan, wife of Lt. Colonel P. C. LeGolyan, Chief of the Forensic and Aviation Pathology Branch, was chosen president. Mrs. W. R. Rule became the new secretary. She is the wife of Major W. R. Rule, USAF (MSC), Administrative Assistant, Registry of Pathology, Mrs. B. C. Liles, wife of Col. B. C. Liles, USAF (MSC), Administrative Assistant, Department of Pathology, was elected to the post of treasurer.

Outgoing officers included Mrs. W. T. Gaudy, president, wife of Lt. Col. W. T. Gaudy, MSC, USA, Executive Officer; Mrs. F. W. Lovell, secretary, wife of Major F. W. Lovell, USAF (MC), Chief of the Aviation Pathology Section; and Mrs. W. C. Manion, treasurer, wife of W. C. Manion, M.D., Chief of the Cardiovascular Branch.

Mrs. Stoessel S. Barksdale has been elected president of the Army Chemical Center's Officers' Wives Club. An Army wife who has done much traveling, she has always been active in women's activities at the many posts she has called "home" but this is the first time she has reached the top position of president.

Mrs. Everett G. King, wife of the Fort Carson U. S. Army Hospital commander, heads the slate of officers elected for the next six months by the Fort Carson Officers' Wives Club.

Mrs. Richard A. Ridsen, wife of the commander of Fort Carson and the 9th Infantry Division, and Mrs. Green extended the formal welcome to wives of ranking officers of the missile command.

Other officers elected were Mrs. Henry M. Page, first vice president; Mrs. Malachi J. Conway, second vice president; Mrs. Donald Walker, corresponding secretary; Mrs. Harry Jennings, recording secretary; Mrs. Wayne D. Young, treasurer; and Mrs. Charles Mincer, assistant treasurer.

The 1958-59 season of the Fort Eustis Officers' Wives Club closed with a luncheon at the Officers' Club. An installation ceremony for new officers of the club had each lady name her new duties and present a rose to the incoming president, Mrs. T. G. Morehead, as a token of support.

Roses were presented by Mrs. T. P. Heller, vice president; Mrs. Kenneth Cross, recording secretary; Mrs. Frederick A. Sturm, corresponding secretary; Mrs. Harris Cathey, treasurer; Mrs. J. J. Kean, assistant treasurer; Mrs. D. G. Dow, historian; Mrs. John Murray, parliamentarian; Mrs. Michael Metz and Mrs. Gordon A. Goss, members at large. The outgoing president, Mrs. A. O. Swisher, tied the roses into a bouquet with a red satin ribbon and presented Mrs. Morehead with the gavel.

Mrs. N. H. Vissering, honorary president, presented Mrs. Swisher with a sil-

Aid Distaff Foundation



MRS. T. T. Paul, chairman of the voluntary fund raising campaign among the Redstone Arsenal Army officers' wives for the Army Distaff Foundation, presents a check amounting to \$300 to Maj. Gen. J. B. Medaris, Commanding General of the Army Ordnance Missile Command, for forwarding to Foundation headquarters. The Redstone Arsenal contribution to the national drive includes several donations from local citizens and industrial organizations as well as those received from the local wives. The nationwide Army Distaff Foundation drive was held for the purpose of collecting the initial funds required to construct an apartment home and nursing facility in Washington, D. C., for elderly women dependents of Army officers.

ver chafing dish in appreciation for her services as president for the past year.

The regular monthly luncheon of the Valley Forge Army Hospital Officers' Wives' Club was held 18 June at the Officers' Open Mess at Valley Forge Army Hospital.

Members honored at the luncheon were Mrs. James L. Snyder, wife of Brig. Gen. James L. Snyder, Hospital Commander, and Mrs. Karl D. MacMillan, wife of Col. Karl D. MacMillan, Chief, EENT Service and former Hospital Commander.

General and Mrs. Snyder will depart in July for General Snyder's assignment to Brooke Army Medical Center, Fort Sam Houston, Texas.

Colonel and Mrs. MacMillan sail for Europe where he will assume command of the U. S. Army Hospital at Orleans, France.

Philadelphia, Pa.—At the final meeting of the season, members of the Army Signal Supply Officers Wives Club elected the following officers for the 1959-'60 season: President, Mrs. Charles E. Goodale; First Vice President, Mrs. John Doyle; Second Vice President, Mrs. Adolph Cooper; Secretary, Mrs. Thomas Garges; and Treasurer, Mrs. Quentin Hoshal.

FOURTH GRAD IN FAMILY

Capt. James W. Dingeman is the latest member of the Dingeman family to be graduated from the Regular Course given by the U. S. Army Command and General Staff College at Fort Leavenworth.

Captain Dingeman's brothers—Lt. Col. David R. Dingeman and Capt. Robert Edward Dingeman, were graduated from the 1956-1957 Course in June 1957, and their father, Col. (USA-Ret.) Ray E. Dingeman of 921 Success Avenue, Lakeland, Fla., was a member of the 1939 graduation class.

Following his graduation 19 June Captain Dingeman left for his new assignment in Washington, D. C., where he will serve in the Office of the Chief of Research and Development.

Col. Carter's Wife Wins Wine And Roses; AF Unit Plays Host With Army Plates

(THE JOURNAL'S Assistant Editor, Daniel S. Henkin, who is participating in the Air Force-sponsored National Media Tour of Europe, sends the following "People and Places" dispatch from Berlin.)

It was "wine and roses" for Mrs. George A. Carter during a Martin Company-sponsored "Weinprobe" at the historic Eltville Castle near Wiesbaden, Germany. The spirited event was held for visiting U. S. reporters, who tasted eight carefully selected Eltville wines. The city is also famous for its roses. Mark Watson, Pulitzer Prize winning Military Correspondent of the *Baltimore (Md.) Sun*, was given a huge gold key to the castle and its heavily stocked wine cellar athwart the Rhine. Mrs. Carter, the wife of Colonel Carter, USAF Information Service Chief, was presented a bouquet of roses.

Among the guests at the effervescent party were Mr. and Mrs. Jess Sweetser. He's a Martin Company Vice President. The Air Force's 603d Aircraft Control and Warning Squadron at Langerkopf, Germany, commanded by Lt. Col. Frank Konarski, provided "unified" hospitality for the National Media Group. Refreshments were served on plates that were inscribed "U. S. Army" . . . USAF Information people prepared press kits in six languages—English, French, German, Italian, and Spanish, for the USAF participation in the Paris Air Show.

The Canadian influence has invaded USAF's Advanced Headquarters at Ramstein, Germany. A briefing chart which outlines missions states that one is "Air Defence" . . . The great disparity in military pay creates some difficult problems at 4th Allied Tactical Air Force Headquarters at Ramstein. The pay of many French and German officers on the staff is less than that of U. S. and Canadian sergeants . . . Tea drinkers were startled, but the bitter fact is that when the newsmen went through the RAF's

Northolt Base near London on 14 June the refreshment stand had no tea available—but plenty of coffee.

Maj. Gen. Gabriel Disosway, Deputy Commander, USAF Advanced Operations Unit (ADVON) at Ramstein is described in a press hand-out as "an easy-going, non-prototype individual" who performs his duty "in a straightforward manner." That's the way it was in his press briefing. He gave direct answers to direct questions, notably those regarding the desirability—from a military commander's viewpoint—of continuing Lockheed C-130 Hercules flights into Berlin above 10,000 feet. General Disosway made it clear that USAF had recommended such flights to gain experience with operational requirements, but the State Department had other ideas on the subject.

A brilliant briefing conducted in perfect English by General de Division Aerienne Raymond Brohon at Lahr, Germany, where he commands the 1st C.A. TAC, France's air contribution to NATO, ended on an unusual note. General Brohon, who needed and used no interpreter, heard NBC Correspondent Leon Pearson deliver, on behalf of the press group, a brief speech of thanks for the briefing and for the hospitality extended by his command. The General required no interpreter, Mr. Pearson spoke in French.

A highlight of the French presentation at Lahr was the flyby of Lt. Andre Brun in a Republic RF-84-F at a height of 90 feet. His mission was to take a picture of the visiting U. S. reporters, a printed copy of which was presented to them when they left for Berlin. Officers of the 33d French Wing, a reconnaissance unit, made a particular point of describing a new French camera they are using. It is called the Omera 31. They called it NATO's best low level aerial camera.

Notes On Retired Officers' Activities

RADM. Albert G. Mumma, USN-Ret., USNA '26, former Chief of the Bureau of Ships, has been appointed Vice President-Engineering of the Worthington Corporation, Washington, D. C.

Col. Frederick H. Gibbs, USA-Ret., has been awarded the degree of Master of Hospital Administration by the University of Minnesota. He will reside at 1423 Geranium St., N.W., Washington, D. C., and continue in his position as Director of the Veterans Administration Institute of Hospital Administrators.

Ch. Elect. Epps B. Bache, USN-Ret., has been appointed a salesman for the Southwestern Petroleum Co., manufacturers of roof and masonry coatings and paints. He resides at Rt. 2, Box 98, Devereux, Ga.

Col. Wm. Taylor Medford, SC, USA-Ret., is now residing at his new home 507 Old Court Road, Baltimore 8, Md., where he is kept quite busy with his flower and vegetable gardens.

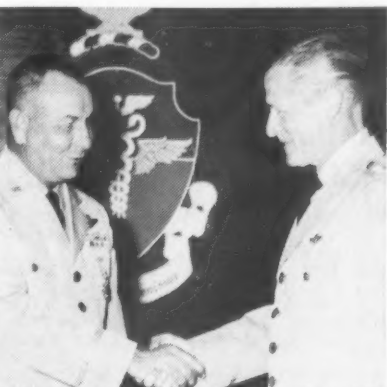
Maj. Gen. Matthew K. Diechelmann, USAF, has retired as Deputy Chief of Staff, Administration and Logistics, at Pacific Air Forces Headquarters, Hawaii, after 32 years' military service. General and Mrs. Diechelmann will reside in Montgomery, Ala., where he will be associated with the Atomic Research Center.

Col. and Mrs. Herman P. Goebel, jr., have moved from their former Washington home and now live at 4744 Reservoir Rd., Washington, D. C., following Colonel Goebel's retirement from the Army.

Admiral Alan G. Kirk, USN-Ret., has been reelected Chairman of the Board of the Mercant Corp., Los Angeles, Calif.

Lt. Nellie I. McMillan, a retired Navy Nurse, was elected the first woman Commander of the D. C. Disabled American Veterans. She is the first woman to hold this position in any veterans' organization in the District.

Dr. Harold P. Thomas, head of the Department of Education at Lehigh University, Bethlehem, Pa., and a retired Colonel in the Army Reserve, delivered the commissioning address to 53 university seniors who received their commissions as second lieutenants 15 June. Dr. Thomas served on active duty in both WW I and II.



COL. FRATIS L. DUFF (left), Commander of the School of Aviation Medicine's branch facility at Gunter AFB, Ala., receives his second Legion of Merit. Maj. Gen. Otis O. Benson, Jr., Commandant of the School of Aviation Medicine, presents the award to the veteran Air Force surgeon for establishing the program for training medical technicians to give on-the-spot medical care to USAF personnel at remote stations around the world.

U. S. COAST GUARD

Secretary of the Treasury—Robert B. Anderson
Commandant—Vice Adm. Alfred C. Richmond

CAPT. Edward W. Laird has been appointed by President Eisenhower to permanent four-stripe rank with the same date of rank as that assigned in temporary grade.

At the same time, the President named 45 Coast Guard officers for temporary rank, including two to commander, four to lieutenant commander, nine to lieutenant, eight to lieutenant (jg), and 22 to ensign.

Those appointed to the various ranks are shown below with effective dates of rank indicated:

To Commander

Richard C. Wilkie, 22 May; and George A. Philbrick, 1 June.

To Lieutenant Commander

Philip A. Hogue, 22 May; and Eugene Carlson, jr., Edric S. Bates and John W. Yager, 1 June.

To Lieutenant

Joseph R. Rowland, jr., 11 May; Gary B. Erekson, 22 May; and Joel R. Swanson, Ralph F. Slater, David L. Green, Martin J. Kaiser, Alben Landry, Francis D. Forbes, and Theodore G. Brown, jr.

To Lieutenant (jg)

Thomas P. Buby, William H. Dotson, John J. Janda, jr., James G. Lang, John J. Muldoon, jr., Galen B. Nielsen, Robert R. Noble and Franklin E. Thrall, 26 June.

To Ensign (26 June)

Anderson, Malcolm E. Lebet, Phillip M. Bouchard, Paul J. Manla, Daniel C. Bromen, Marvin N. McFarland, C. R. Buckman, S. T. Jr. Mull, Billy R. Crespo, Manuel V. Peterson, LeRoy W. Diller, Robert E. Potts, Robert E. Donnelly, John A. Reed, Fred V. Gross, Sanford P. Smith, Harry D. Hancock, Robert F. Snyder, Carl W. Jr. Hicks, Richard H. Stanley, Harold E. Lauther, Bruce G. Walsh, Edward A.

The appointments to lieutenant (jg) and ensign are subject to satisfactory completion of Officer Candidate School, Class 2-59, and physical qualification.

At the same time, six petty officers were named for temporary advancement to warrant officer, W-1, effective from 1 June. Their names and the categories to which they are assigned are:

Boatswain—Kenneth G. Allen and Tugg P. Heimerl.

Machinist—John W. Parker, Edwub M. Smithers and Billie L. Sturgell.

Radio Electrician—Horace F. Stephens.

Cdr. Carlson To SFran

Cdr. Arnold E. Carlson, Assistant Chief of Public Information at Coast Guard Headquarters, has been assigned Chief of Personnel, 12th Coast Guard District Office, San Francisco.

Commander Carlson's relief is LCdr. James D. Doyle, reporting from duty as Executive Officer of the cutter Cook Inlet, home-ported in Portland, Me.

Win Permanent Warrants Rank

The Senate has confirmed the nominations of six warrants and chief warrants to permanent grades.

Given the rank of CWO-4, effective 28 July, was Arva S. Alexander.

CWO-3's Artell B. Crowley, Jr., Gordon R. Campbell, Martin F. Groff and Ronald McClellan also were named for permanent paygrade. With the exception of CWO Crowley whose date of rank in permanent grade is 1 July, all ranks date from 30 July 1959.

The lone officer made a permanent CWO-2 is Timothy J. Crowley, effective from 1 July 1959.

Temporary Warrants

In addition, eight WO-1's were appointed to temporary pay-grade CWO-2. The first five on the list below have dates of rank from 1 July and the last three dates of rank from 12 July 1959:

Cameron, Robert G. Matteson, Everett J. Marshall, Olof F. Wesner, Earl J. Williams, W D B. Scruggs, R A Jr. Sifford, Bruce L. Liedke, John H.

Graduate Assignments

Coast Guard Headquarters has made assignments to various types of vessels

for the 80 graduates of the Coast Guard Academy who graduated 3 June.

Their names and the vessels to which they are posted are:

Allison, A J, III—CASTLE ROCK
Andersen, R A—MACKINAW
Andrews, R L—TANEY
Atkins, C C, Jr.—MENDOTA
Barnes, R G—MENDOTA
Beardsley, A C—NORTHWIND
Belter, R H—BIBB
Bielski, S E—WESTWIND
Bowen, J M—COOS BAY
Brown, R D—COOS BAY
Bunch, P A—CASTLE ROCK
BUSH, G T, III—OWASCO
Campbell, J D—CASCO
Case, E G—SEBAGO
Chappell, J A—WINONA
Coste, J W, Jr.—EASTWIND
Cummings, J E—HUMBOLDT
Cunningham, T J—DUANE
Deck, J, III—CHAUTAUQUA
Devereaux, W M—HUMBOLDT
Edwards, J R—GRESHAM
Foels, J E—BIBB
Folker, R W—MINNETONKA
Foster, G R—WACHUSETT
Frankenhauser, D A—SEBAGO
Garner, D R—COOK INLET
Gerometta, J W—ABSECON
Goldthorpe, J C—INGHAM
Hewitt, W B—EASTWIND
Heydenreich, J G—HALF MOON
Hoffer, D L—McCULLOCH
Howell, J T—KLAMATH
Howland, W B—WINONA
Iarossi, F J—MATAGORDA
Imbrie, R J—WACHUSETT
Irwin, J E—KLAMATH
Klotz, J W—BERING STRAIT
Kossmann, O R—ROCKAWAY
Kreitmeyer, G E—CAMPBELL
Lacroix, E W, Jr.—GRESHAM
Lauridsen, P C—YAKUTAT
Leahy, W P, Jr.—McCULLOCH
Loosmore, C S—TANEY
Marucci, T F—CAMPBELL
Masse, S J T—WESTWIND
McDonald, J L—COOK INLET
McManus, G H—BARATARIA
Melshelmer, R F—PONTCHARTRAIN
Meyer, L E—CHINCOTEAGUE
Miller, D L, II—CHINCOTEAGUE
Millroy, D L—SPENCER
Mincks, C S—ESCANABA
Miscovich, R F—CHAUTAUQUA
Montonye, J T—MINNETONKA
Morrow, T N, Jr.—CASCO
Norton, H F, Jr.—SPENCER
Olson, F W—MATAGORDA
Pakos, P E—INGHAM
Patterson, B A—MACKINAW
Pepple, D L—YAKUTAT
Polant, R M—ROCKAWAY
Potter, G T—NORTHWIND
Randolph, B S—ESCANABA
Reynard, R—MACKINAW
Rich, W S—ANDROSCOGGIN
Ropiak, F J—MACKINAC
Sanford, E D—DUANE
Schobert, W N—MACKINAW
Seelman, G W—WINNEBAGO
Shenkle, R E—OWASCO
Sims, A H, Jr.—NORTHWIND
Sipes, J D—EASTWIND
Skinner, B C—BARATARIA
Thornton, R H—HALF MOON
Vorbach, J E—WESTWIND
Walker, W G—BERING STRAIT
Wellington, P A—PONTCHARTRAIN
Wells, R R—ANDROSCOGGIN
White, F W, Jr.—WINNEBAGO
Workman, R B, Jr.—ABSECON

Physicians & Dentists Win Temp. Captaincies

The Army has named three physicians and 11 dentists for temporary promotion to captain in Special Orders 123, dated 22 June.

Their ranks are effective from 21 June 1959.

They are:

Medical

Bailey, Bruce H. Strader, Lorenzo D. Fagan, Charles J.

Dental

Burkhardt, Fred E. Newell, Donald H. Duffy, John H. Schafer, Thomas J. Geiser, William C. Tolas, Andrew G. Gerstein, Howard A. Tye, Edward J. James, Charles S. Williams, Robert W. Kramer, Jordan B.

Births • Marriages • Deaths

(No charge for Service announcements. Please print all names.)

Born

ALDRIDGE—Quantico, Va 14 Jun 2d Lt and Mrs John R Aldridge, son, John Ramsey, Jr.
ALLISON—Mather AFB, Calif 24 May 1st Lt and Mrs John C Allison, son, John Craig.
ALLEMAN—USN Sub Base, New London, Conn 13 May Cdr and Mrs James K Alleman, daughter.
BACHE—Rawlins Hosp, Sandersville, Ga 19 Jun Ch Elic (USN-Ret) and Mrs E B Bache, Route 2, Box 98, Devereux, Ga, son.
BALL—Keesler AFB, Miss 14 Jun Capt and Mrs John C Ball, son, Dean.
BARILA—Cp Zama, Japan, 11 Jun Maj and Mrs Timothy G Barila, son, Thomas John.
BARRY—Ft Gordon, Ga 9 Jun Capt and Mrs Edgar L Barry, son.
BAXTER—Ft Eustis, Va 3 Jun 1st Lt and Mrs Richard B Baxter, son.
BEAVERS—Brooke AH, Ft Sam Houston, Tex 12 Jun 1st Lt and Mrs Freddy W Beavers, daughter.
BECKIEWICZ—West Point, NY 8 Jun Capt and Mrs Peter A Beckiewicz, Dept of Physics and Chemistry, USMA, son, Peter Matthew.
BEHNKEN—DeWitt AH, Ft Belvoir, Va 12 Jun 2d Lt and Mrs Rolland W Behnken, son.
BITTNER—USN Sub Base, New London, Conn 8 May Lt (jg) and Mrs Gregory Bittner, daughter.
BLACKWELL—Quantico, Va 11 Jun 2d Lt and Mrs Thomas S Blackwell, son, Jeffrey Hart.
BLACKWOOD—Ft Ord, Calif 9 Jun Capt and Mrs William H Blackwood, 207 Sicily, Stillwell Pk, Ft Ord, daughter, Jocelyn Sandra.
BRIDGES—Cp Zama, Japan 11 Jun Sfc and Mrs Samuel C Bridges, son, Gale Lesley.
BUCHOLZ—DeWitt AH, Ft Belvoir, Va 14 Jun 1st Lt and Mrs Eugene K Bucholz, son.
BURKE—Ft Meade, Md 9 Jun Capt and Mrs Richard M Burke, son.
BURR—DeWitt AH, Ft Belvoir, Va 18 Jun Maj and Mrs William E Burr, 2d, son.
CAREY—Quantico, Va 11 Jun 1st and Mrs James R Carey, son, Steven James.
CRABTREE—Brooke AH, Ft Sam Houston, Tex 16 Jun Maj and Mrs Robert O Crabtree, son.
CRAIG—Ft Meade, Md 11 Jun 2d Lt and Mrs Ronald F Craig, daughter.
CROCKER—Ft Rucker, Ala 5 Jun WO and Mrs Benny D Crocker, daughter, Cynthia Jeanette.
DAVIS—DeWitt AH, Ft Belvoir, Va 13 Jun 2d Lt and Mrs James F Davis, son.
DAWSETT—Ft Ord, Calif 8 Jun 2d Lt and Mrs Richard L Dawsett, 246 Metz Rd, Ft Ord, son, Michael David.
DICKINSON—Patterson AH, Ft Monmouth, NJ 7 Jun 1st Lt and Mrs Ray B Dickinson, Box 253, Ft Hancock, NJ, daughter.
DOBBS—Brooke AH, Ft Sam Houston, Tex 10 Jun 1st Lt and Mrs Wendek S Dobbs, daughter.
DOOLEY—Ft Ord, Calif 8 Jun 2d Lt and Mrs James E Dooley, 225 Napier, Bay View Park, Calif, Ft Ord, son, Timothy E.
DORSEY—Ft Ord, Calif 4 Jun 2d Lt and Mrs Harry H Dorsey, 399 Leinbach, Ft Ord, son, Howard Hilton.
DORSEY—Ft Gordon, Ga 14 Jun 1st Lt and Mrs Olin Dorsey, Jr, son.
DOSS—Quantico, Va 3 Jun Capt and Mrs James G Doss, Jr, daughter, Carolyn Anne.
DRAPER—WRAH, Washington, DC 16 Jun Col (USAF) and Mrs W G Draper, daughter.
DU PECA—USN Sub Base, New London, Conn 13 May Lt and Mrs Jules B DuPeca, son.
EASTERLING—Brooke AH, Ft Sam Houston, Tex 13 Jun Capt and Mrs Ronald E Easterling, son.
ELLIS—DeWitt AH, Ft Belvoir, Va 12 Jun 2d Lt and Mrs Eugene A Ellis, son.
ERLANDSON—Mather AFB, Calif 19 May Capt and Mrs Curtis L Erlandson, daughter, Paula Christine.
ERWIN—Newport, RI 2 Jun Lt (jg) and Mrs Charles U Erwin, 17 Dresser St, Newport, daughter.
FABNO—USN Sub Base, New London, Conn 4 May Lt (jg) and Mrs Francis Farino, son.
FOLEY—Keesler AFB, Miss 11 Jun Capt and Mrs Francis P Foley, daughter, Mary Elizabeth.
FOWLER—Quantico, Va 13 Jun 2d Lt and Mrs Robert F Fowler, son, Michael Edward.
GERARDI—Patterson AH, Ft Monmouth, NJ 20 Jun 1st Lt and Mrs Dennis H Gerardi, 164 Bayview Ave, Belford, NJ, daughter.
GERNER—Cp Zama, Japan 10 Jun Sgt and Mrs Roy L Gerner, son, David Wayne.
GODSEY—Ft Carson, Colo 8 Jun Capt and Mrs Charles W Godsey, 3130 Poinsetta, Colorado Springs, son.
GREENWALD—Ft Meade, Md 10 Jun Capt and Mrs Edward J Greenwald, son.
GRENIER—Lackland AFB, Tex 14 Jun Maj and Mrs Paul Grenier, 343 Montfor Dr, Randolph AFB, daughter.

HAMILTON—Patterson AH, Ft Monmouth, NJ 10 Jun 2d Lt and Mrs Eugene N Hamilton, 6 Fisher Ave, Neptune, NJ, son.
HARVEY—Patterson AH, Ft Monmouth, NJ 13 Jun 2d Lt and Mrs Henry J Harvey, 8 Riverview Ave, Long Beach, NJ, daughter.
HATTORI—WRAH, Washington, DC 12 Jun Capt and Mrs Takashi Hattori, son.
HAYDEL—Brooke AH, Ft Sam Houston, Tex 10 Jun 1st Lt and Mrs Albert E Haydel, daughter.
HAYWARD—Vance AFB, Okla 10 Jun 2d Lt and Mrs Gordon L Hayward, daughter.
HENDRICK—Keesler AFB, Miss 8 Jun 1st Lt and Mrs Alton J Hendrick, daughter, Rebecca Olof.
HEMES—Ft Gordon, Ga 12 Jun 1st Lt and Mrs George A Hemes, daughter.
HOGAN—Ft Eustis, Va 15 Jun 2d Lt and Mrs Donald M Hogan, son.
HOGAN—Womack AH, Ft Bragg, NC 4 Jun Capt and Mrs Henry W Hogan, 63 D Sicily Dr, Hammond Hills, Ft Bragg, daughter, Erin Jennifer, granddaughter of Col (Ret) and Mrs J B Rasbach, Ft Lauderdale, Fla.
HOOK—West Point, NY 10 Jun Capt and Mrs John R Hook, Dept of Elec Engineering, USMA, twin daughters, Carol Patricia and Cathleen Anne.
HUNT—Ft Rucker, Ala 7 Jun Capt and Mrs Jim L Hunt, son, Bradford James.
JACKLEY—Fayetteville, NC 11 Jun Capt and Mrs Lawrence W Jackley, son, Mark Winfield.
JACOBS—Harrisburg, Pa 30 May Maj and Mrs Charles E Jacobs, daughter, Valerie Anne.
JENSEN—WRAH, Washington, DC 17 Jun 1st Lt (USAF) and Mrs Gerald R Jensen, daughter.
JOHNSON—Lackland AFB, Tex 12 Jun Capt and Mrs Clarence Johnson, 114 Allenhurst Dr, Lackland AFB, son.
JOHNSON—Mather AFB, Calif 26 May 1st Lt and Mrs Roger L Johnson, son, Ronald Luke.
JORDAN—McGuire AFB, NJ 12 Jun 1st Lt and Mrs Donald L Jordan, son.
KASTNER—DeWitt AH, Ft Belvoir, Va 12 Jun Brig Gen (Ret) and Mrs Alfred E Kastner, daughter.
KENDRICK—Ft Leonard Wood, Mo 8 Jun 2d Lt and Mrs William T Kendrick, son, William Thurman, Jr.
KILLOUGH—Brooke AH, Ft Sam Houston, Tex 16 Jun 1st Lt and Mrs Joe B Killough, daughter.
KILMER—Ft Carson, Colo 6 Jun 1st Lt and Mrs Donald E Kilmer, 420 E Buena Vista, Colorado Springs, son.
KITTS—Brooke AH, Ft Sam Houston, Tex 16 Jun Maj and Mrs Alfred R Kitts, daughter.
KLEIN—Brooke AH, Ft Sam Houston, Tex 11 Jun 2d Lt and Mrs Bruce L Klein, son.
LEACH—Ft Leonard Wood, Mo 7 Jun 1st Lt and Mrs Bernard C Leach, daughter, Julie Marie.
LIKEN—DeWitt AH, Ft Belvoir, Va 15 Jun Maj and Mrs Ellery A Liken, son.
LINDSEY—WRAH, Washington, DC 14 Jun CWO and Mrs John R Lindsey, son.
LONG—Dreux, France 11 Jun T/Sgt and Mrs W William G Long, 40th TrpCARON, APO 253, NY, son, Patrick William.
LUBIN—Quantico, Va 10 Jun Capt and Mrs Irvin C Lubin, daughter, Katherine Louise.
LUCE—Ft Meade, Md 11 Jun CWO and Mrs Howard J Luce, Jr, daughter.
LUJAN—Ft Ord, Calif 8 Jun Maj and Mrs Manuel S Lujan, 1135 Ripple Ave, Pacific Grove, Calif, son, Robert Alexander.
LUMLEY—Keesler AFB, Miss 11 Jun Capt and Mrs Jack N C Lumley, son, Jack Norman Crawford, 2d.
LYON—Ft McClellan, Ala 9 Jun 2d Lt and Mrs William C Lyon, daughter, Gayle Rene.
MARCY—DeWitt AH, Ft Belvoir, Va 17 Jun 1st Lt and Mrs Edwin J Marcy, daughter.
MARSH—Ft Meade, Md 12 Jun Capt and Mrs Herbert L Marsh, son.
MARSH—USN Sub Base, New London, Conn 14 May Lt and Mrs James P Marsh, son.
MAYEUX—Cp Leroy Johnson, La recently 2d Lt (Ret) and Mrs Levy C Mayeux, son.
MC CLOSKEY—Quantico, Va 10 Jun Maj and Mrs Donald V McCloskey, son, William Haddon.
MEAD—USN Sub Base, New London, Conn 4 May Ens and Mrs Robert Mead, daughter.
MITCHELL—Mather AFB, Calif 25 May 1st Lt and Mrs Davis C Mitchell, daughter, Janet Carol.
MITCHELL—Sheppard AFB, Tex 9 Jun Capt and Mrs James K Mitchell, Jr, son.
MITCHELL—Ft Rucker, Ala 3 Jun 1st Lt and Mrs James L Mitchell, Jr, daughter, Jamie Ruth.
MYERS—Dreux, France 14 Jun S/Sgt and Mrs Harvey Myers, 317th TransRON, APO 253, New York, son, Jerry Cornelius.
NEW—Cp Zama, Japan 12 Jun Sgt and Mrs William A New, daughter, Victoria Leigh.
NEWBERRY—Ft Leonard Wood, Mo 6 Jun 1st Lt and Mrs Truman L Newberry, Jr, daughter, Laura Jane.

NEWKIRK—Cp Zama, Japan 17 Jun Sp4 and Mrs Charles D Newkirk, daughter, Marilyn Ann.
NORTON—Ft Eustis, Va 8 Jun 2d Lt and Mrs John L Norton, daughter.
OSBURN—DeWitt AH, Ft Belvoir, Va 16 Jun Capt (USAF) and Mrs Douglas C Osburn, son.
OXENREIDER—Ft Eustis, Va 3 Jun CWO and Mrs George D Oxenreider, daughter.
PARSON—DeWitt AH, Ft Belvoir, Va 18 Jun Lt Col and Mrs Merlin H Parson, daughter.
PELTIER—Ft Ord, Calif 4 Jun 1st Lt and Mrs Raymond J Peltier, 326 Leinbach, Ft Ord, Brigitte Marie.
PORTER—Orlando AFB, Fla 17 May 1st Lt and Mrs Robert L Porter, 4011 Merriweather, Orlando, daughter, Lauren.
RAIL—Rolla, Mo 2 Jun Col and Mrs Lloyd L Rail, son, David Lloyd Arthur.
RAMSEY—Mather AFB, Calif 26 May 1st Lt and Mrs Allan M Ramsey, Jr, daughter, Janet Carol.
REICHERT—Fitzsimons AH, Denver 18 Jun 1st Lt (USAF) and Mrs Albert C Reichert, son.
RIGRISH—Ft Carson, Colo 5 Jun 1st Lt and Mrs Ernest Rigrish, 1130 Harrison, Colorado Springs, daughter.
ROSCOVER—Dreux, France 9 Jun T/Sgt and Mrs Malcolm C Roscover, 40th TrpCARON, APO 253, NY, daughter, Rebecca Jean.
ROWE—Ft Eustis, Va 10 Jun 2d Lt and Mrs Gilbert W Rowe, daughter.
SAMALIK—Orlando AFB, Fla 14 May Capt and Mrs James J Samalik, 3800 Virginia Ave, Orlando, son, Patrick Joseph.
SCHENKEWITZ—McGuire AFB, NJ 13 Jun Maj and Mrs John R Schenkewitz, son.
SCHINDLER—Ft Eustis, Va 6 Jun 1st Lt and Mrs Howard W Schindler, daughter.
SCHROEDER—Quantico, Va 15 Jun 2d Lt and Mrs Gary S Schroeder, son, Brian Scott.
SCHWEGLER—Ft Eustis, Va 16 Jun CWO and Mrs John W Schwegler, son.
SCOTT—Dreux, France 10 Jun S/Sgt and Mrs Milton Scott, Jr, 317th ABGRU, APO 253, NY, son, Stanley Arthur Steven.
SHANEYFELT—Ft Ord, Calif 8 Jun 2d Lt and Mrs Stanley E Shaneyfelt, 501 Ocean, Monterey, Calif, daughter, Cheryl Ann.
SEARBY—Mather AFB, Calif 26 May 1st Lt and Mrs Peter Searby, daughter, Elizabeth Alice.
SHIPLEY—Melbourne, Australia 10 Mar Maj (USAF) and Mrs Benjamin A Shipley, 69 Hodder St, Brighton S6, Victoria, Australia, daughter, Lisa Ann.
SHULTZ—Fitzsimons AH, Denver 18 Jun Capt (USAF) and Mrs Harold Shultz, daughter.
SLEVIN—Keesler AFB, Miss 11 Jun 1st Lt and Mrs John H Slevin, son, John George.
SMITH—Ft Ord, Calif 6 Jun LCDr and Mrs Byers G Smith, El Bosque Dr, Pebble Beach, Calif, son, Roger Carl.
SPEER—Keesler AFB, Miss 8 Jun 2d Lt and Mrs David R Speer, son, Douglas Alexander.
STACY—Cp Zama, Japan 16 Jun Sgt and Mrs Victor W Stacy, daughter, Margaret Ann.
SULLIVAN—West Point, NY 8 Jun Capt and Mrs John J Sullivan, Dept of English USMA, son, Kenneth Paul.
SYMANOWSKI—DeWitt AH, Ft Belvoir, Va 16 Jun CWO and Mrs Peter P Symanowski, son.
TACKETT—Patterson AH, Ft Monmouth, NJ 18 Jun Capt and Mrs Little D Tackett, US Gar, Ft Hancock, NJ, daughter.
TAFF—USN Sub Base, New London, Conn 10 May Lt (jg) and Mrs Clarence Taff, daughter.
TAGUE—Lackland AFB, Tex 11 Jun 1st Lt and Mrs Philip Tague, 1422 Fresno Dr, Kirtland AFB, Tex, daughter.
TILTON—USN Sub Base, New London, Conn 12 May Lt (jg) and Mrs Allan D Tilton, son.
TODD—Ft Leonard Wood, Mo 6 Jun Capt and Mrs David B Todd, Jr, son, David Bernard, 3d.
TRASK—Ft Ord, Calif 6 Jun Lt and Mrs Lee F Trask, 113 Morell Circle, Monterey, Calif, son, Colin Ace.
VAN CLEAVE—Ft Ord, Calif 4 Jun 1st Lt and Mrs Henry D Van Cleave, 210 Tunisia Rd, Ft Ord, daughter, Leslie Ann.
VELAZQUEZ—Mather AFB, Calif 27 May 1st Lt and Mrs Frank Velazquez, daughter, Linda Kate.
WALKER—Ft Ord, Calif 6 Jun Lt (jg) and Mrs Charles F Walker, PO Box 2127, Carmel Calif, son, Joel Timothy.
WALTERS—Fitzsimons AH, Denver 18 Jun Capt (USPHS) and Mrs Francis J Walters, son.
WEEKS—West Point, NY 15 Jun Capt and Mrs Robert Weeks, Dept of Math, USMA, daughter, Barbara Ellen.
WEISS—Ft Rucker, Ala 8 Jun Capt and Mrs Edwin A Weiss, son, Douglas Floyd.
WELDON—Rodriguez AH, Ft Brooke, PR 10 Jun 2d Lt and Mrs James W Weldon, daughter, Mary Katherine.
WHEATLEY—WRAH, Washington, DC 15 Jun Col and Mrs Melford Wheatley, son.
WHITTINGTON—Milwaukee, Wis 17 Jun Maj and Mrs W E Whittington, 4156 No 81st St, Milwaukee, 16, daughter, Julia Marie.
WILLIAMSON—Mather AFB, Calif 23 May 2d Lt and Mrs Gary C Williamson, daughter, Karin.

WOODSON—Orlando AFB, Fla 17 May 1st Lt and Mrs Sidney W Woodson, 4107 S Rio Grande, Orlando, daughter, Laura Kay.

Married

ANDERSON-FEISS—Scarsdale, NY 20 Jun Miss Edith Calista Feiss, to Lt Genie Marshall Anderson, USAF.
ANDREWS-POLLOCK—Navy Chapel, Washington, DC 20 Jun Mrs Rathbun Pollock to Mr John Nelson Andrews, Jr, son of Brig Gen (AUS, ret) and Mrs John N Andrews.
BULLIS-TAGGART—Warner Memorial Presbyterian Church, Kensington, Md 11 Jun Miss Judith Ellen Taggart, to Lt Lawrence Hoover Bullis.
DIEBALL-GROVE—Chapel of the Woods, USN Air Station, Norfolk, Va 20 Jun Miss Elizabeth Jane Grove, to Lt (jg) Robert Charles Dieball, USNR.
EDMONDS-SIMMS—Metropolitan Memorial Methodist Church, Washington, DC 20 Jun Miss Jo Ellen Byron Simms, daughter of Capt and Mrs Paul Sheppard Savidge, Jr, to Mr Richard Lee Edmonds.
HARRINGTON-PINNEY—St John's Episcopal Church, Bethesda, Md 20 Jun Miss Mary Ellen Pinney, daughter of Capt (USN) and Mrs Frank L Pinney, Jr, to Mr Robert Harrington.
LEIGHTON-STROOCK—Chappaqua, NY 21 Jun Miss Mariana Stroock, to Lt (jg) Lawrence Ward Leighton, USNR.
MAHLEE-KAUFMAN—Old Cadet Chapel, West Point, NY 21 Jun Miss Eleanor M Kaufman, to Lt Michael D Mahler, USA.
NEUBOLD-BOURNE—St Luke's Protestant Episcopal Church, Gladstone, NJ 20 Jun Miss Judith Allen Bourne, to Lt (jg) John Lowe Neubold, 3d.
SPAULDING-GRAVES—St John's Episcopal Church, Chevy Chase, Md 20 Jun Miss Gretchen Van Antwerp Graves, daughter of Capt (USCG) and Mrs Garrett Van A Graves, to Mr John Henry Spaulding.
WARNER-WHITNEY—Truro Episcopal Church, Fairfax, Va 20 Jun Miss Alice Isabel Whitney, to Lt (jg) Mervin Burdette Warner, USN.

Died

BAUSKETT—Died Jacksonville, Fla 3 May Lt Col William T, Jr, Ret.
BERGIN—Died Mason, Mich 5 May Lt Col William A Bergin, Ret.
BOUGHTER—Died Phoenixville, Pa 21 May Capt Russell M Boughter, Ret.
CASEBOLT—Died 12 Jun WO Donald L Casebolt, USN, NavComMFAC Kami-Sepu, Japan.
CHADDOCK—Died 22 May Lt Col Frank G Chaddock, USA, Ret, 2167 E Mountain, East Pasadena, Calif. He served in Mexican Campaign, World War I and II. Survived by his wife, Marjorie Chaddock, of Pasadena; two daughters, Mrs Marilyn Baker, Cp LeJune, NC and Carol Chaddock, of Pasadena; four sons, Robert N, Oklahoma City; William F, San Marino, Calif; Frank G, of Pasadena; and Richard L, Oklahoma. Burial, National Cemetery, San Francisco.
CHRISTIANSEN—Died at Walter Reed AFB, Washington, DC, 1 Jun Mrs Abilene J Christiansen, wife of Maj Gen James G Christiansen, USA-Ret, 3 Holmes Run Rd, Falls Church, Va; mother of Mrs J H Walker, (wife of Col Walker, USAF, Ret, AFB, Fla); Maj J G Christiansen, Jr, USA, West Point; and Mrs Philip L Bolte, (wife of Capt Bolte, USA, Atlanta). Also survived by a brother, Jason C Rockwell, Oakland, Calif, and 10 grandchildren. Services at Ft Myer, Va, with interment at West Point.
CLARKE—Died 13 Jun Cdr Henry E Clarke, USN, NCS, Stockton, Calif.
COMPTON—Died of cancer at Walter Reed AFB, Washington, DC 19 Jun Col Arthur C Compton, a veteran of 28 years in the Army Medical Corps. Col Compton was born in Washington, DC and graduated from the US Army 1917. Survived by two sisters, Mrs Eva McCormick, 3512 Runnymede NW, Washington, DC, and Mrs Minnie Squire, Chevy Chase, Md. Services at Ft Myer 23 Jun, and burial Arlington National Cemetery.
GARMAN—Died 1 May Maj Scott S Garman, Ret.
GARRETT—Died Chester, Ill 9 Jun Maj John D Garrett, FC.
GEISENHOF—Died Paradise, Calif 14 Jun Cdr Neil Geisenhoff, USNR (Ret) (USN '13). Survived by his wife Mrs Neil Geisenhoff, 120 Lake St, San Francisco. Burial, Golden Gate National Cemetery.
GLACKMAN—Died Culver, Ind 21 May Lt Col and Mrs John C Glackman, Ret.
GOODWIN—Died Denver, Colo 13 May Maj Morris W Goodwin, Ret.
HINMAN—Died USNH, San Diego 16 May Mrs Electa Klare Hinman. Survived by her husband Capt Jack J Hinman, 3d, USN and 2 sons, Thomas T and Robert O, of 27th Elrod Rd, Kensington, Md; and by her brother, Capt Herman H Klare, Jr, USN, of Falls Church, Va. Interment, Arlington National Cemetery.
HUFFINGTON—Died Atlantic City, NJ 10 May WO Wakefield H Huffington, Ret.
MCCORD—Died Orlando, Fla 3 Jun Col Walter D McCord, Ret.



MAJ. GEN. KENNETH P. BERGQUIST, Commander USAF Air Defense Systems Integration Division (ADSID) welcomes **ADM. E. P. HOLMES**, Commander Cruiser Division Four U. S. Atlantic Fleet, to ADSID. Admiral Holmes headed a Navy delegation that attended a "Navy Day" briefing by ADSID to acquaint the Naval personnel of the Boston area with the work ADSID is doing in guiding the efforts in air defense.

taken up duties as Head, Internal Review Section, Fiscal Systems Branch, Comptroller Division, BuMed. He came to his new post from the National Naval Medical Center, Bethesda, Md., where he was attached to the School of Hospital Administration.

Capt. A. R. Frechette, DC, USN, has relieved **Capt. B. H. Faubion**, as Deputy Chief of the Dental Division, BuMed. Captain Faubion assumes duties as Fleet and Force Dental Officer, C-in-C, Pacific Fleet. Captain Frechette has been succeeded by **Capt. W. R. Stanmeyer**.

Maj. Otto G. Hrdlicka, MSC, USA, received his Bachelor of Science degree from the University of Maryland this month. Major Hrdlicka is presently assigned as Assistant Chief of the Operations Branch in the Army Surgeon General's Office.

The Major, his wife, the former **Wyllian Zentner**, daughter of Mr. and Mrs. William Zentner of Renwick, Iowa, and their two children, reside at 4626 A 36th Street, South Arlington, Va.

Col. Carl G. Giesecke has been named Commanding Officer of Medical Training Center, **Maj. Gen. William E. Shambora**, Brooke Army Medical Center commander, announces. He succeeds **Col. Edward Sigerfoos** who will be Surgeon, 8th U. S. Army in Korea.

Col. Roy D. Maxwell, one of the foremost authorities on nuclear radiation and radiation fall-out, has been named Chief of the Army's Medical Service Corps effective 1 July. Since January 1957 Colonel Maxwell has been Assistant for Nuclear Warfare Instruction and Casualty Studies, Army Medical Service School at Brooke Army Medical Center, Ft. Sam Houston, Tex.

Functions of the Army Veterinary Service have been reformulated in AR 40-4, 5 June 1959. The regulation deals with the duties of both civilian and military veterinarians at military installations.

Two USAF Record Holders Advise German AF On Republic RF-84F

AIR BASE ERDING
GERMANY

ELEVEN U. S. Air Force tactical reconnaissance experts—two of them newly arrived speed records holders—are assigned here to advise the German Air Force's Waffenschule 50.

Lt. Col. Harold L. Cline, who commands the Advisory Team, told a JOURNAL reporter that his officers and the German instructors are seeking to duplicate the USAF's photo-reconnaissance training at Shaw AFB, S. C. Just arrived to join the Advisory Team are **Capt. Robert L. Sweet** and **Capt. George Edwards**. They have set speed records in cross-country and triangular course tests, respectively.

Other members of the Advisory Team are **Maj. Charles Burnett**, **Capt. Richard Anderson**, **Roger Miller**, **Cloves Easter**, and **Lts. David Oswowitz**, **Edwards Veech**, **James McCulloch** and **Leo Branam**.

The German Air Force soon will activate its first tactical reconnaissance wing, which will be located at Erding.

Lt. Col. Guenther Proll, Waffenschule 50 Commander, describing the progress made by the German Air Force in preparing pilots for tactical reconnaissance units, said it would still be some time before this task could be accomplished without help from the U. S. military advisors and technical representatives.

In the latter category, two of Colonel Cline's key associates are **Hardy Hightower** of Republic Aviation, and **James Griffiss** of Curtiss-Wright.

A tenant on the Germany Air Force base here is the 440th Fighter-Interceptor Squadron, equipped with the North American F-86D, and commanded by **Lt. Col. Jimmie L. Sibley**.

Lt. Col. Carlos C. Pratt heads USAF's 7102d Support Squadron at Erding.

Medical Activities In The Services

The U. S. Air Force Medical Service exhibit, "Space Medicine Research," was awarded the Certificate of Merit by the American Medical Association for the best exhibit in the Section on Military Medicine at the Association's 1959 meeting.

The exhibit was initiated by the USAF School of Aviation Medicine to show the space medicine research being conducted at the School. It includes weightlessness, the photosynthetic gas exchanger (closed ecological system), space cabin experiments, and physiological instrumentation.

This is the second successive year the Certificate of Merit has been awarded to a U. S. Air Force Medical Service exhibit. In 1958 the award was given to the "Human Tolerance to Mechanical Forces" exhibit.

Col. John A. Booth recently assumed command of the 6045th USAF Hospital, Osan, replacing **Col. James K. Gray** who was reassigned to Steward AFB, N. Y. Prior to being assigned to Korea, Colonel Booth was the 14th Air Force Surgeon, at Robins AFB, Ga.

A Stag Reception for Regular and Reserve Dental officers will be held from 5 to 7 pm, 14 September, at the Barbizon Plaza Hotel, 106 Central Park South, New York City. Tickets at \$7 each may be obtained from **Capt. Clay A. Boland**, DC, USN, Headquarters, Third Naval District, 90 Church Street, New York, N. Y.

Adm. Edward C. Kenney, MC, USN, has assumed duties as Deputy and Assistant Chief of the Bureau of Medicine and Surgery, succeeding **Adm. Bruce E. Bradley** who assumed command of the National Naval Medical Center, Bethesda, Md. **Admiral Kenney** reported to his new post from duty as Assistant Chief of BuMed for Personnel and Professional Operations. He resides with his wife, the former **Helen Ruth Dern** of Washington Courthouse, Ohio, at 8700 Preston Place, Chevy Chase, Md. They have two children: **Joan Barbara** (Mrs. Robert Diamond), and **James Warren**.

Capt. Gerald J. Duffner, MC, USN, reporting from the Experimental Diving Unit, Naval Gun Factory, Washington, D. C., has assumed duties as Director, Submarine Medicine Division, BuMed.

LCdr. Forbes H. Smith, MSC, USN, has



Secretary of the Navy, William B. Franke (third from right) chats with guests just prior to his address at the New York City Hudson Celebration Banquet in New York City. Guests are (from left): **Adm. Chester C. Wood**, USN, Commandant Third Naval District; **Admiral Jerauld Wright**, USN, Supreme Allied Commander Atlantic and Commander in Chief, United States Atlantic Fleet; **Mr. William Zeckendorf**, President, New York City Hudson Celebration Committee; **Mayor Robert F. Wagner** of New York City; **Mr. Franke**; **VAdm. Thomas S. Combs**, USN, Commander Eastern Sea Frontier; and **VAdm. William R. Smedberg, III**, USN, Commander Second Fleet.

A Static X-15 Model And Six Busy "Wired For Sound" Mice Share Top Attention At International Exhibition

LEBOURGET AIRPORT
PARIS, FRANCE

SIX U. S. Air Force research mice, given passports to Paris, and a full-scaled mockup of the North American X-15 were powerful rivals for top attraction honors at the "static" display presented by the U. S. Armed Forces during the 23d International Air Show here.

Impartial observers said the mice won by a heartbeat.

Officials responsible for the U. S. exhibit described as "sensational" the response of the French public to the instrumented mice. They were forced to

give a "demand performance" on T.V.

Under supervision of **Col. Robert H. Blount**, USAF (MC), Deputy Commandant of the School of Aviation Medicine at Randolph AFB, Tex., Air Force technicians inserted electrodes in the respiratory muscles of the mice, near the heart area. This permitted their heart beats to be amplified, broadcast, and recorded, just as was done for the four mice in the Discoverer III space flight.

Unlike other static exhibits at the show, the mice had a mobile advantage. This was demonstrated with their participation in two special television shows

demanding by the French.

Because of language problems, it was explained, the mice were not interviewed. The theme of the U. S. Armed Forces static exhibit was to emphasize the contributions to world progress that are being made as a result of U. S. aviation research.

It was for that reason that **Col. James D. C. Robinson**, USAF, in charge of U. S. participation, arranged for the mice and the North American X-15 model to be shown at LeBourget, along with other exhibits depicting aerospace research gains and goals.

McELROY—Died 15 Jun Lt Guy A McElroy, USN, Birmingham, Ala.

MOLLOY—Died at USAFH, Bergstrom AFB, Austin, Tex 15 Jun, Lt Col Louis C Molloy, Arty, ret, 66, 3603 Bridle Path, Austin. Survived by his wife; one daughter, Mrs Elizabeth Bookout, wife of Lt Col Hal H Bookout, of San Antonio; a sister, Mrs Julian Ransom, Corsicana, Tex, and two grandchildren. Burial 17 Jun at Corsicana, Tex.

MORSE—Died 17 June at 3811 Woodbine St., Chevy Chase, Md, the home of her son-in-law and daughter **Capt (MC, USN) and Mrs. William M. Silliphant**, Mrs. Isabel Westfall Morse. Besides her daughter she leaves two grandchildren, Mary Ruth and Elizabeth Ann Silliphant. Services on 20 June in Bethesda; burial, Rockville, Md. **Capt. Silliphant** is Dir of Armed Forces Institute of Pathology, Washington, D. C.

PETERSON—Died Spencer, Iowa 16 May Lt Col Roland A Peterson, Ret.

REYNOLDS—Died New Orleans, La, Jerald George Reynolds, 21, son of Col (Ret) and Mrs Jacob G Reynolds, 1106 Pittsboro Rd, Chapel Hill, NC; grandson of Col (Ret) and Mrs Albert F Christie; and brother of Sharon Reynolds. Burial Arlington National Cemetery, 12 June.

RUBEN—Died 13 Jun LCdr William G Ruben, USN, NavResTraCen, Madison, Wis.

STRANGE—Died Stockbridge, Mich 27 May Maj Walter S Strange, Ret.

THOMPSON—Died 12 Jun Ens George H Thompson, USNR, USS Fort Marion.

VAN GESSEL—Died Ft Jay, NY 18 May Capt and Mrs Edwin H Van Gessel, Ret.

WILEY—Died of a coronary occlusion at Samuel G Dixon State Hosp, South Mountain, Pa, 10 Jun, Col Norman H Wiley, MC, Ret, veteran of 30 years in the Army. During WWII, participated in invasions of North Africa, Sicily and Normandy; commanded the 48th Surgical Hosp, which became the 128th Evacuation Hosp. Later served in Hawaii and at Ft Riley; Battle Creek, Mich, and Ft Benning. Last asgmt before retmt, medical director, Gorgas Hosp, CZ. Since retmt in 1958, was Medical Director of Dixon State Hosp. Survived by widow, Mrs Gladys L Wiley, S G Dixon State Hosp, South Mountain; daughter, Valerie J, student at Ohio Wesleyan University; two sons, Norman H, Jr, student at University of Cincinnati, and James A, at home; his mother, Mrs Bertha C Wiley, East Stroudsburg, Pa.; and 3 brothers, Allen V. Wiley, Bowling Green, O.; Kenneth W. Wiley, East Stroudsburg, Pa., and Howard B. Wiley, Northridge, Calif. Burial, Arlington National Cemetery.

WILLIAMS—Died Bradenton, Fla 19 Jun Mrs Elizabeth Greer Williams, 70, Starfish Rd, Holmes Beach, Fla, widow of Col Allison W Williams. Survived by her son-in-law and daughter, Col and Mrs Sidney G Brown, Jr and one grandson, Lt Glenn A Brown, Ft Rucker, Ala. Services Arlington National Cemetery, 24 June.

WILSON—Died 15 Jun Lt Col William G Wilson, USN, NavResTraCen, Madison, Wis.

WILSON—Died 15 Jun Lt Col William G Wilson, USN, NavResTraCen, Madison, Wis.

Specialty Course For Nurses Set

Professional specialty courses in Anesthesiology, maternal and child health nursing and operating room nursing have been announced for Army nurses in DA Circular 621-30, 3 June 1959.

The 52-week anesthesiology course will begin at Fitzsimons and Brooke Army Hospitals on 19 October 1959, and at Letterman and Walter Reed Army Hospitals on 18 April 1960. Two years' obligated service is required after completion of these courses.

A 22-week maternal and child health nursing course will begin at Beaumont Army Hospital on 20 July 1959 and 11 January 1960, with one year obligated service required upon completion.

The 22-week Basic Operating Room Nursing courses, requiring one year's obligated service after completion, will begin at Letterman Army Hospital and Martin Army Hospital, Ft. Benning, Ga., on 20 July 1959 and 11 January 1960. The advanced Operating Room Nursing course will begin at Walter Reed on 28 September 1959.

Visits Ramey

Brig. Gen. Joseph J. Preston, who will assume command of the 72d Bombardment Wing 11 July, paid a pre-assumption of command visit to Ramey AFB, R. recently. General Preston arrived at Ramey in a B-47 and was greeted by **Maj. Gen. W. K. Martin**, wing commander. He made the flight from Little Rock AFB, Ark., the site of his present command.

Journal Classified

Service families will find it helpful to consult these selected listings of sales and services.

Rates are 14 cents per word (minimum \$1.50). Deadline is 5 p.m. Tuesdays. Payment must accompany insertions. Write the Army Navy Air Force Journal, 1710 Connecticut Avenue, N.W., Washington 9, D. C.; or in the local area, phone HObart 2-1220, and ask for Mrs. Howard.

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Defense Department Explains Weapon System Concept

From first page—procurement methods are disturbed depends upon many factors, including:

1. Degree of complexity.
2. Capability of available development and production agencies.
3. Producibility.
4. Requirement for compatibility.
5. Military urgency.

Accordingly, the weapons system concept must be flexible, and almost any pattern may emerge, departing from normal procedures only to the extent necessary. The range of patterns, in theory, may be from total management within the military departments by a temporary organization set up for the specific purpose and cutting across all usual organizational lines, to setting up merely a coordinating element (which might even consist of designating an existing bureau, technical service, or command). On the industrial side, the pattern may range from contracting with an organization which will handle only

technical direction and systems management (or either) to hiring a single contractor for performance of research, development and production, as well as technical direction and systems management. In between these extremes are many patterns of contracting with several prime contractors for the performance of various phases of the total effort, while retaining technical direction and systems control within the military departments, or jointly by the military department and an outside organization.

It must be emphasized that the weapons system concept is in an early stage of development and it may change drastically as experience is gained. However, it can be reduced to this simplicity: It is a method of producing and placing into operational use, the necessary advanced instruments of combat in the most suitable manner for each weapons system without regard to existing organization and functions of elements of the military departments.

control of the work. The commands or arsenals approve such procurements and have technical supervision over resulting contracts.

The Army Ordnance Missile Command (AOMC) is responsible for its assigned weapons and associated equipment from the inception of the missile concept to the actual "flying of the bird." The AOMC is the system-manager and directs necessary actions to make the weapons system a functioning one and is responsible for monitoring the entire complex, guaranteeing that time schedules are met and that all available resources are properly utilized.

Under the weapons system concept, a single contractor may perform all design, development, production and procurement, or only a portion of such work. In any case, the Army must retain responsibility for establishing the need for the system, specifying military characteristics, controlling drawings and specifications, conducting tests, providing specialized technical knowledge and guidance, as well as overall supervision and appraisal of progress by the contractor. The arsenals and test facilities train and maintain skilled technicians required to exercise this responsibility.

In practice, the Army has sometimes used in-house facilities (arsenal system). Sometimes contractors have been used for design, development and production of a complete weapon, equipment or major components, subject to overall

Army Utilizes Three Approaches

In the opinion of the Army, the arsenal system is the basic system upon which it must plan for the design, development and production of modern weaponry as it has for other things in the past.

This system is the nucleus for industrial mobilization, retaining at arsenals pools of skilled manpower familiar with the design, development and production

of Army weapons. A particular commodity is assigned to a command or arsenal with responsibility for planning, direction, control and accomplishment of the commodity program. "In-house" facilities and talent may be used for all or part of design and development work or contracts may be made with outside sources, the Government retaining direction and

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technical control by the cognizant Army system-manager. Finally, modifications and combinations of both have been used. The arsenals, however, are not used for quantity production work.

The weapons system concept of procurement is used within its arsenal system of organization in three ways: **RED-STONE** and **JUPITER**: Army Ballistic Missile Agency carried the systems from initial concept thru prototype manufacturing. Army scientific and engineering know-how was used concurrently with skills on industrial firms and educational institutions obtained by contract. A production contractor was selected to manufacture thereafter.

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WANTED: Vol 60 No. 3 May-June 1951, *Armor Magazine*. Contact Colonel W. Blanchard, Box 226, The Journal.

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the design, development and production of the entire system was awarded to a prime contractor after Army had completed concept and feasibility studies, established requirements and detailed essential military characteristics. Government personnel monitor the program and maintain surveillance over contractor's efforts, performed at his own plant or under his direction at subcontractors.

PERISHING: Typifies an in-between approach. Technical supervision and design control over the research and development effort of the prime contractor are maintained by AOMC. This is essentially an industry-government team approach, assuring coordinated use of special and peculiar talents of both. Quantity production will be entirely contractor's responsibility.

Navy Says There Is "No Set Formula"

A critical need for rapid technical progress has resulted in a reevaluation of military procurement, with particular attention focused on leadtime required for the development and production of new weapons by the military departments. Much has been said recently regarding the military's use of the weapons system concept in procurement.

It has been apparent that a great deal of the disagreement exists in defining just what is meant by the so-called weapons system concept.

A Navy weapons system is the combination of a weapon or a multiple of weapons and the equipment employed to bring the destructive power of the weapon against the enemy. A Navy weapons system so defined includes:

1. Detection, location, and identification units which fix and classify a target,
2. Delivery units which launch, project, or carry a weapon to its target, and
3. Control units which develop, compute, relay, or introduce data to a delivery unit or weapon to direct, control, or guide the weapon to the target.

The operational requirements for and development characteristics of new weapons systems are formulated on a system basis and so designated at high operational levels in the Navy.

Weapons systems and their various components may be purchased by ordi-

nary procurement methods or they may be purchased under a weapons system contracting method which, in its purest form, gives a single prime contractor responsibility for the overall design, development, production, and performance reliability of the system. This pure concept is seldom if ever used undiluted. In actual practice, the Navy retains certain important management responsibilities and assigns to associate prime contractors other responsibilities.

As weapons became more complex, the problem of furnishing the necessary manpower to administer weapons contracts becomes acute. The Navy is constantly faced with the internal problem involving the availability of trained scientific and engineering personnel to successfully administer a particular program.

In buying complicated weapons, we have to make a decision on the method of procurement in each case, depending upon a number of considerations. These include the complexion of the weapon to be bought, the capabilities of the contractors who might produce the weapon, the producibility of the weapon as a system, and, finally, the requirements for compatibility.

Close analysis will determine if it is desirable to place complete management responsibilities for the integrated weapons system with one contractor or if we should retain our normal management responsibility in the program or if we

should settle on a position somewhere between the two. In applying the systems concept, it is becoming increasingly ap-

parent that no set formula can be established for solving individual situations.

Includes All Facets Of AF Management

Weapon systems management is the Air Force terminology which includes all facets of management effort to bring a combat weapon with its essential related equipment, materials, personnel, and skills to support, on a timely basis, the operational employment of the weapon.

It may refer to the internal Air Force organization alone where all facets of the weapon systems are controlled internally, including procurement of major component of the weapon which are procured as GFAC and furnished to the prime or it may encompass the weapon system contractor who supplements Air Force management by providing centralized contractor management of the weapon system development and production.

The complete weapon system includes a major operational element (usually, but not necessarily, an air vehicle) and all the related equipment, materials, personnel, skills, and techniques needed solely to operate the major element, so that the entire system becomes a self-sufficient unit of striking power in its intended operational environment.

Weapon systems contracting

A weapon system may be brought under three categories, namely:

Category I under which the weapon system is procured by direct contract between a prime weapon system contractor and the Air Force. In this instance the prime contractor is responsible for providing a centralized management of the entire weapon including all the systems and support equipment. He normally is

responsible for the engineering design, subcontracting, technical integration, and performance on contract. He operates under the management and technical surveillance of a specialized Air Force team responsible for the integration of all facets of the specific program to bring the weapon system into the Air Force inventory. In this case the prime contractor supplements the Air Force management team. An example of this type of procurement is the development and production of the Convair B-58 bomber.

Category II under which associate contractors are established by direct Air Force contract. In this case (for example on the Convair F-106 interceptor) Hughes Aircraft Co. is an associate to Convair. However, Hughes works directly on an Air Force contract. Hughes and Convair are responsible jointly that the Hughes fire-control system is engineered and produced to be compatible to the F-106 requirement and schedule. The Air Force supervises each contractor's efforts and the weapon system as an entity.

Category III under which the Air Force procures under direct contract as Government furnished aeronautical equipment, such equipment as the bombing-navigation systems, and furnishes them to the contractor providing the weapon. This is normally used where a system or component is compatible to two or more weapon systems or where it is feasible for the Air Force to contract direct for the equipment.

The following types of contracts have been used for procurements made under the weapon system concept:

Name of weapon system:

Name of weapon system:	Type of contract
1. 117-L	CPFF.
2. B-58 (3 contracts)	CPIF.
3. B-70	CPFF.
4. F-108	CPFF.
5. FM-62	FPI.
6. X-GAM-72	CPFF.
7. Y-GAM-72	CPFF.
8. GAM-72	FPI.
9. X-GAM-77	CPIF.
10. GAM-77	L/C contemplated FPI.
11. Y-IM-99-A	CPFF.
12. IM-99A	FPI.
13. XIM-99-D	CPIF.
14. IM-99-B	L/C contemplated CPIF.
15. Q2A	FPI.
16. XQ2C	CPFF.
17. Q2C	FPI.
18. XQ4A	CPFF.
19. TM-76A	FPI.
20. YTM-76B	L/C contemplated CPFF.
21. TM-76B	L/C contemplated FPI.
22. X-GAM-79	L/C contemplated CPFF.

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INDUSTRY IN DEFENSE

"Over-The-Horizon" Radar Guidance Demonstrated

AIR Force observers inspect electronic equipment in jet drone just used in demonstrations of nation's first over-the-horizon radar command-guidance system, soon to be employed in realistic tests of U. S. air defenses. Microwave system, demonstrated by the Sperry Gyroscope Company at its MacArthur Airport, N. Y., flight research center, is used to remotely control, track and monitor pilotless drone aircraft and missiles over hundreds of miles. As a universal means of controlling all types of unmanned aircraft and target missiles it will enable military to test defenses against modern air weapons. Shown above are (from left) Maj. C. L. Boyd and Lt. Col. D. C. DeFord of USAF's Air Proving Ground Command, Max Beers, Sperry director of missile and drone engineering, and Col. Lynden R. Anderson, chief of the Target Weapons System Project Office of the Air Research and Development Command at Wright-Patterson AFB, Ohio.

Hearings Will Open 13 July On Saltonstall Proposal, Three Other Procurement Bills

A special Senate Armed Services Subcommittee, headed by Senator Strom Thurmond (D-S. C.), will open hearings 13 July on the Saltonstall proposal (S. 500) to expand the weapons system concept of procurement.

The group also will consider S. 1383, introduced by 15 Senators, to require greater use of competitive bidding, and S. 1875, sponsored by Senators Javits and Keating of New York and Senator Case of New Jersey, to encourage greater competition in military contracting.

Members of the Subcommittee, in addition to Senator Thurmond, are Senators John C. Stennis (D-Miss.), Samuel J. Ervin, Jr. (D-N. C.), Howard Cannon (D-Nev.), Leverett Saltonstall (R-Mass.), and Prescott Bush (R-Conn.).

Both the Defense Department and the National Aeronautics and Space Administration have recommended amendments in the Saltonstall proposal. The General Services Administration and the Comptroller General have made adverse reports on the bill.

Military Requirements Demand New Metals, NASA's Dr. Glennan Tells Republic Steel

National Aeronautics and Space Administrator T. Keith Glennan predicts that demands on all fields of materials research will "increase enormously in volume and scope in the years ahead."

Speaking at the dedication of the Republic Steel Corporation Research Center, Independence, Ohio, Dr. Glennan said that much of the fast paced development of new metals and alloys can be traced directly to the insatiable demand of our Armed Services for new weapons systems. These demands, he said, have given rise to new industries, such as are found in the electronic and nuclear fields.

Discussing the application of special metals to nuclear and space fields, Dr. Glennan emphasized that "we need stronger, heat-resistant metals for many

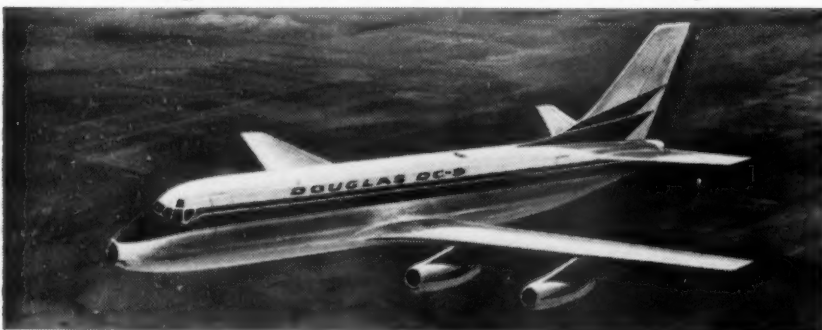
purposes. With advanced chemical propellants—for example, liquid hydrogen or fluorine—we can achieve much greater thrust per pound of vehicle weight, with correspondingly higher temperatures.

"The strongest alloys we now employ are those based on cobalt and nickel, melting about 2,700 degrees Fahrenheit."

But he said, two advanced ceramic materials have withstood heat blasts of 4,600 and 5,000 degrees Fahrenheit.

The basic solution to developing new metals and other materials will not come primarily from applied studies. To a large extent, he said, they will come from long-term research on the basic structures and behavior of metals and other materials.

Douglas Plans DC 9 For '63 Delivery



DOUGLAS Aircraft Company has scheduled its future advanced jet transport, the DC-9, for operation early in 1963. Pictured above, it will be powered by four new Pratt & Whitney engines and closely resemble the configuration of the DC-8 jet liner. For civilian uses, the new jet will carry either 68 first class or 87 tourist class passengers. The DC-9 will be powered by 2 TF-10 turbofan engines now under development by Pratt & Whitney.

Martin Mace, New NATO Missile, Shown First Time In Europe By Col. Sands' Unit

LEBOURGET AIRPORT
PARIS, FRANCE

NATO's newest missile, the Martin Mace tactical missile (see photo in last week's JOURNAL) was exhibited at the Paris International Air Show by members of the 38th Tactical Missile Wing, commanded by Col. Harry J. Sands, jr., USAF.

On duty here to answer questions of the crowds attending the show were Lt. Richard P. Guest, jr., a launching officer, and six airmen of the 587th Tactical Missile Group of Colonel Sands' wing.

The 587th, located at Sembach, Germany, is the first NATO unit to receive the all-weather, all-terrain weapon as a replacement for Martin's pioneer Matador.

With a range of 650 miles, the Mace features an ATRAN map-matching guidance system which enables it to dodge heavily fortified areas or geographical obstacles, and vary its cruise altitude repeatedly.

The new NATO missile is powered by a single Allison J33-A-41 turbojet engine.

"Freedom Fighter" Model Features Northrop Exhibit At Paris Show

LEBOURGET AIRPORT
PARIS, FRANCE

THE Northrop Corporation's exhibit at the Paris Air Show was featured by a model and display of the new N-156F multipurpose fighter.

The Paris Air Show provided the U. S. Air Force and Northrop an opportunity to present to a European audience an on-the-spot report concerning the NATO-bound fighter.

Called the "Freedom Fighter," it is the first airplane designed specifically to meet the needs of NATO, SEATO, and other Allied nations for a low-cost, versatile fighter weapon system.

The first fighter prototype of the

N-156F is scheduled to fly this Summer.

The Northrop exhibition here stressed that the "Freedom Fighter" will be less costly to produce, operate and maintain than current fighters, without sacrifice of high combat performance. An ultimate speed capability of Mach 2 is anticipated.

The "Freedom Fighter" is designed to operate from short advanced runways, seconds away from possible air combat.

Northrop officials also point out that the simplicity of its design makes possible manufacture overseas under licensing agreements.

Small Business Participates In Army Procurement Program

The Army continues to emphasize a vigorous small business program.

Awards to small business concerns, on a prime contract basis, amounted to \$1.8 billion during fiscal '58. These dollars represent 35% of all prime contracts awarded to both large and small concerns by the Army during the period.

In cooperation with the Small Business Administration, the Army has made decided advancement in the small business set-aside program. Both set-asides and dollars increased during fiscal '58.

In fiscal '57 there were 3100 set-aside actions for a total dollar value of \$234,-

991,522. In fiscal '58, the number of set-aside actions rose 61% to 4,996 and the dollar value rose 38% to \$324,340,649.

In the field of subcontracting, Army prime contractors have been urged to accomplish the maximum amount of subcontracting to small business concerns that is found to be consistent with efficient performance.

Assistant Secretary of the Army (Logistics) Courtney Johnson says Army reports indicate that, in fiscal '58, small business concerns received an additional \$157 million, or 16%, on a first tier subcontracting basis.

Dr. Batdorf Director Of Research L.E.A.D.

Appointment of Dr. Samuel B. Batdorf, one of America's top ranking physicists as Director of Research for the Lockheed Electronics and Avionics Division (L.E.A.D.) has been announced by Russell C. Galbraith, L.E.A.D. Assistant General Manager.

Dr. Batdorf currently is on leave from Lockheed Missiles and Space Division to

assist Roy W. Johnson, Director of the Government's Advanced Research Projects Agency, as head of the technical team responsible for military communication satellite. He will assume his new duties in mid-August. Dr. Batdorf, previously worked for eight years in the Structures Research Division of the National Advisory Committee for Aeronautics.

CAPT. FOGG AND HIS T-37 WIN ACCLAIM

LEBOURGET AIRPORT
PARIS, FRANCE

In an airshow loaded with power, Capt. Bob S. Fogg, jr., USAF, won high acclaim as he put a Cessna T-37 twin-jet trainer through its paces at the International Air Show here 20 June.

Although time demands required him to cut his usual 12 minute demonstration to only 5 minutes, Captain Fogg showed the thousands of spectators an old-time demonstration of acrobatic flying with a modern jet.

While the huge jets and turboprops, such as the USAF's Boeing VC-137 and Douglas C-133 commanded top attention, together with the Soviet's TU-104, TU-114 and IL 18, the tiny T-37 won plaudits from the crowd as Captain Fogg performed Immelmans, Cloverleafs, Cuban, and Hawaiian eights.

Built by the Military Aircraft Division of Cessna Aircraft Company in Wichita, Kans., the 400 mph T-37A will be redesignated in November as the T-37B when new Continental jet engines are installed. The J69-T-37 will replace the J69-T-9.

On hand here to help in briefing the U. S. and foreign press in connection with Captain Fogg's flight demonstration was Mr. R. L. "Randy" Griesinger of the Cessna Company.

Ft. Harrison's "Home For The Army Dollar," Simplifies Claims, Accounting, Runs School

ESTABLISHED in 1903 and named after the 23d President of the United States, Ft. Benjamin Harrison was primarily an infantry post until World War II. Temporary war-time activities conducted there included the Army's Chaplains School, Cooks and Bakers School, Military Police School and Finance School, which later returned on a permanent basis. At the present time, under the command of the Chief of Finance, Maj. Gen. Paul A. Mayo, there are three class II finance activities located at the post.

The largest of these is the Finance Center, U. S. Army. With the outbreak of World War II, the Finance Corps, like other branches of the Army, accelerated operations to handle the multitude of financial transactions created by a large military force. In addition to a global network of disbursing offices, it was necessary to establish specialized accounting, allotment, bond and claim offices in various cities of the United States from coast to coast. Realizing this volume of work could be handled more expeditiously if centralized in one location after the war, the Central Field Fiscal Office, later called the Army Finance Center, was formed at a St. Louis Ordnance Plant in 1946.

Simplify Claims and Accounting

Consolidation of activities simplified the flow of work by eliminating unnecessary communications and facilitating the handling of claims and accounting functions. The St. Louis location, however was only temporary and in 1949 the decision was reached to construct a modern permanent "home for the Army Dollar" at Ft. Harrison located northeast of Indianapolis, Ind. This relocation was hastened with the advent of the Korean Conflict when it was necessary to resume ammunition production at the Ordnance Plant. Since this production could not be deferred until the new Finance Center was completed, the Center's operations were moved into temporary locations in the city of Indianapolis and buildings at Ft. Harrison. In 1953 construction of the building was completed and the first of the activities was permanently located for the first time since the Central Field Fiscal Office was organized. The building itself, highly efficient by its very nature, incorporates more than 1,250,000 square feet of useful floor space and is one of the Army's largest buildings.

The activity and also the post are commanded by Brig. Gen. Frederick J. Kendall. The Finance Center is organized into three main components—Allotments and Deposits Operations, Settlements Operations and Military Pay Operations. Allotments and Deposits Operations incorporates four divisions, three of which are charged with responsibility for establishing and maintaining over 1,280,000 allotment accounts for active Army personnel wherever stationed, and also for civilians serving outside the continental United States. Types of allotments authorized include Class E, payable to individuals and private concerns, Class Q, payable to primary and secondary dependents, Class B for savings bonds, and Class D and N, covering payments on Government insurance policies. The grand total of all allotment checks mailed monthly equals \$73,000,000.

In the Soldiers' Deposits Division the regular savings program for Army enlisted personnel is administered. Some 700,000 service men and women have \$42,000,000 on deposit at this unique Army bank. In order to expedite processing of deposits and facilitate maintenance of the accounts, records are now maintained on medium-size electronic data processing machine operating on the magnetic tape principle.

Settlement Operations

Settlements Operations annually processes some 230,000 claims for and against the Government. Claims against the Government are initiated by separated service members concerning pay and allowance entitlement while on active



COMMANDERS of various organizations located at Fort Harrison and their wives are shown left to right, as follows: Lt. P. P. Gerhards, Aide-De-Camp to General Kendall; Maj. Gen. and Mrs. T. S. Riggs, Commanding General, VI U. S. Army Corps (Res.); Brig. Gen. and Mrs. F. J. Kendall, Commanding General, Ft. Benjamin Harrison and Finance Center, USA; Col. and Mrs. M. B. Hale, Commanding Officer, Field

Division, Office Chief of Finance; Col. and Mrs. E. W. Bosgieter, Commandant, The Adjutant General's School, U. S. Army; Col. and Mrs. F. J. Knoblauch, Commanding Officer, U. S. Army Hospital; Col. and Mrs. W. E. Sievers, Commandant, Finance School U. S. Army; Col. and Mrs. E. E. Miller, Commanding Officer, Army Enlisted Evaluation Center; and Col. M. C. Perl, President, The Adjutant General's Board.

duty. A claim in favor of the Government is usually money owed to the Army from an advance payment, or payment for which entitlement could not be supported, made to a service man and not recovered while he was on active duty. In today's highly complex Army, it is not unusual for service men to be transferred on short notice between remote locations; hence, the Army pay problem is quite unique and adjustments both ways are occasionally necessary. However, a comparison of the number of claims paid and collections initiated indicate twice as many claims against the Government as compared to collection cases.

Another segment of the Settlements Operations is the Transportation Division which is responsible for paying all transportation charges, bills of lading, and meal tickets incurred by the Army, Air Force and the Office of the Secretary of Defense.

Retired Pay Division of Settlements Operations makes monthly payments to all Army retired personnel, both officer and enlisted regardless of where located.

Retained money account records forwarded to the Center by disbursing officers are maintained and serviced in the Retained Accounts Division. These records are an essential part of the settling of claims against the Government, recouping amounts owed the Government, and replying to inquiries received from former service personnel.

Military Pay

Military Pay Operations is responsible for processing the approximately 975,000 vouchers which will be received by the Finance Center each month as a result of Army-wide implementation of the Military Pay Voucher System 1 January 1959. Control and Processing Division verifies the summary and certification sheets with respect to amounts disbursed and prepares budget, statistical, Federal Income Tax and Social Security Tax reports.

Records Division maintains and services the individual military pay files for all Army personnel on active duty, answers inquiries and provides locator service.

Examination Division conducts a comprehensive examination as to the propriety of transactions appearing on disbursement, collection and adjustment vouchers. To assure that collections are made, they initiate adjustment action on discrepancies and disseminate statistical and narrative reports on the condition of accounts to assist finance officers in improving financial service in the Army.

Since separate actions are taken when allotments are authorized by an individual, deductions processed by disbursing officers in the field, and payment made by the Finance Center, responsibility for reconciliation of these payments and deductions is centered in the Allotment Reconciliation Division. Adjustments are made on the accounts as appropriate.

A large percentage of the work for the diversified services performed by the Operations is accomplished by some

365 electrical accounting machines distributed throughout the Finance Center.

"Learn to do by doing" is more than just a motto at the Finance School, U. S. Army, another one of the finance activities located at Fort Harrison. This teaching philosophy is actually practiced at the Finance School according to Colonel W. E. Sievers, 15th Commandant of the 38-year-old Army establishment. Originally created by War Department General Order 47 dated 10 August 1920, the first Finance School location was at Fort Washington, Maryland. During intervening years the School led a sort of vagabond existence, occupying quarters at Fort Hunt, Virginia; Washington, D. C.; Camp Holabird, Maryland; Wake Forest College and Duke University in North Carolina, and at St. Louis, Missouri. During February 1957, two years after ground breaking, the staff, faculty and students of the School moved into a modern, well-equipped building shared jointly with The Adjutant General's School, U. S. Army. That, too, marked a milestone for it is the first time two major military services have attempted to operate a combined educational facility.

The Department of Accounting Training conducts all courses in accounting subjects including commercial accounting. The Department of Comptroller Training regulates courses in comptroller subjects other than accounting. The realm of Army finance courses is monitored by the Department of Finance Training. The enlisted procedures classes account for almost half the annual enrollment at the Army Finance School each year.

Resident Instruction

All resident instruction in military subjects, including command and staff concepts, tactics at regimental and divisional levels, and basic subjects like map reading and military organization, is a responsibility of the Department of Military Training. In addition, this department conducts the Finance Officer Orientation Course which assists the directly commissioned officers, selected under the Masters of Business Administration (MBA) program, in making the transition from civilian to military status.

The Department of Non-Resident Instruction establishes, develops, and maintains extension courses and materials to train military and civilian members of all components of the Army in finance and accounting subject areas taught by the four resident instruction departments.

A sixth department, the Department of Unit Training, was recently established to oversee unit training programs for the U. S. Army Finance Corps. This responsibility extends to summer active duty training for reserve finance units and supervision of finance elements of the U. S. Army Reserve schools.

Finance Disbursing Sections

In addition to the above departments, two finance disbursing sections, the 7th and 13th, assigned to the Chief of Fi-

nance, are under the administration of the Commandant, Finance School. Both are part of the Strategic Army Forces and are kept in a state of readiness at all times. The secondary mission of the 13th FDS is training of Reserve Forces Act enlisted trainees; the 7th serves as a test unit for the Finance Corps Field Service Board for the purpose of testing new concepts in the field of finance.

The Finance Corps Field Service Board, a part of the Finance School organization, serves as a combat development agency for the Chief of Finance. It is responsible for research, engineering and development of material, doctrines, organization and tactics for finance operations in the Army.

Since its creation in 1920, the Finance School has grown both in size and importance. Prior to World War II only 850 students had completed resident courses of instruction at the Army Finance School. As the School began the 39th year of operation, it numbered among its alumni 49,000 graduates who throughout the world have handled or are handling the disbursing, collecting, accounting and financial management activities of the Army.

To complete finance activities located at Fort Harrison, the most recent one activated 1 April 1958, is the Field Division of the Office of the Chief of Finance. It is located in the Finance Center building and was established as a result of the reorganization of the Office of the Chief of Finance based on a general decentralization of personnel from the Washington area.

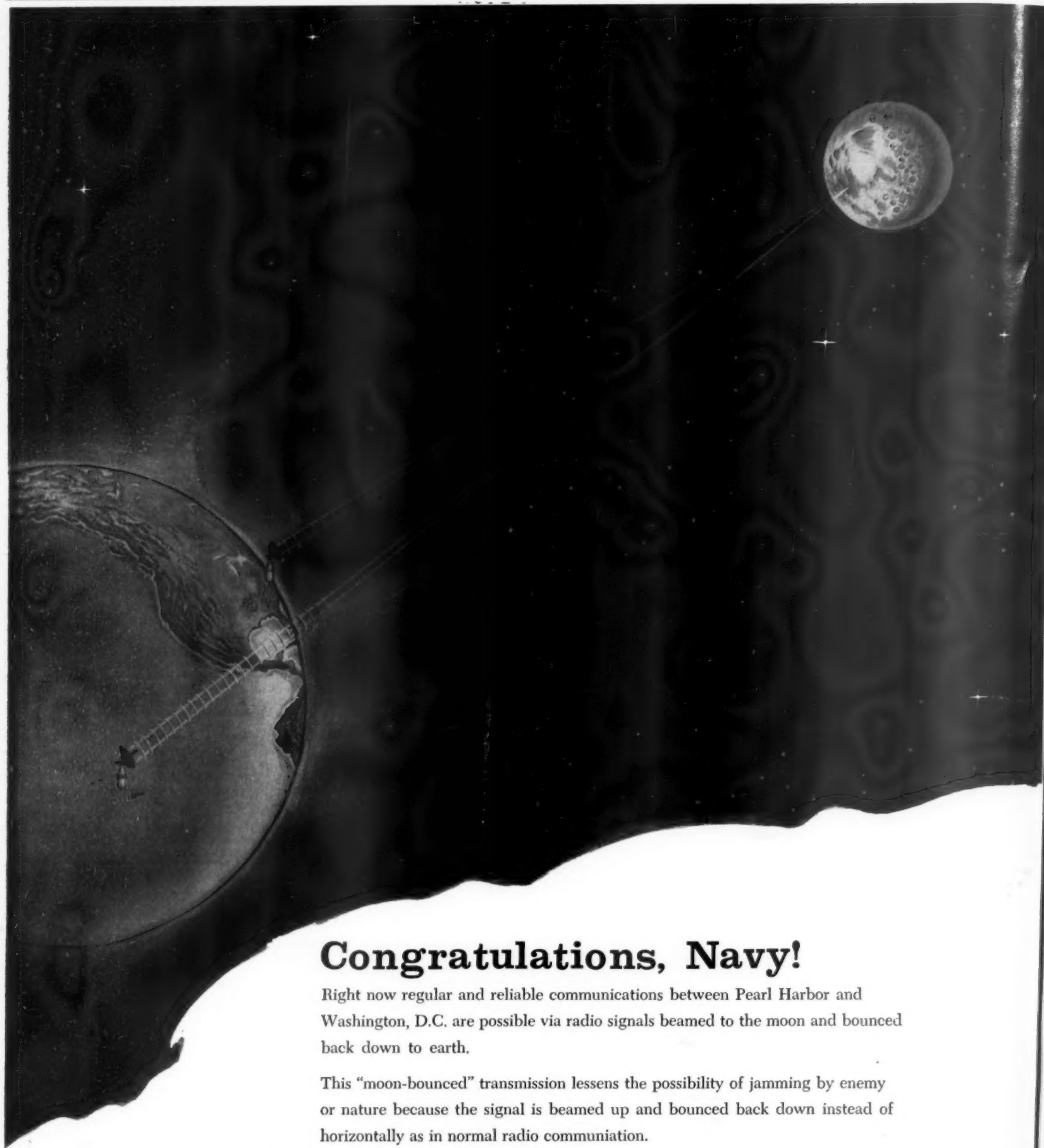
Approximately 70 military and civilian personnel comprise the organization. Col. Milton B. Hale, who formerly was Assistant Chief of Finance for Plans and Programs, is chief of the division and commanding officer of the activity.

Field Division

The Field Division has an extremely varied mission. A portion of it is to assure adequate Army-wide finance services by furnishing both technical advice and assistance to the finance network on entitlement questions concerning allotments and allowances of military personnel which cannot be readily settled in the field. This covers the area of military pay, travel, and transportation. In connection with travel, the division is responsible for establishing and publishing official distances which are reflected in the Official Table of Distance applicable to all uniformed services.

The Disbursing Officers' Liaison Office provides a ready means of liaison between the finance activities on the post and the disbursing officers in the field. DOLO periodically disseminates information which is of value to the disbursing officers and finance personnel.

By locating the majority of the functions of the Finance Command at one installation, the Chief of Finance has enabled these activities to more economically furnish better service to all members and former members of the Army as well as provide improved facilities for training of personnel.



Congratulations, Navy!

Right now regular and reliable communications between Pearl Harbor and Washington, D.C. are possible via radio signals beamed to the moon and bounced back down to earth.

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